



5

CAPITOLO
CHAPTER

GERARDI
MOTORIZZATI - DRIVEN TOOLS

Made in Italy



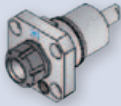
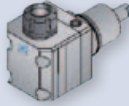
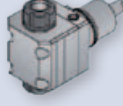

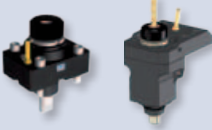
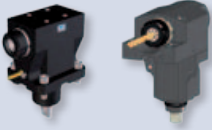

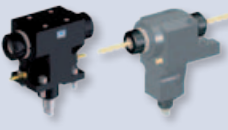
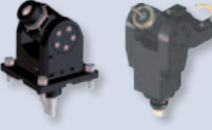


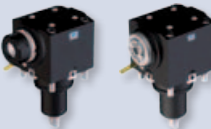

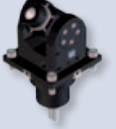









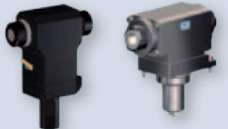
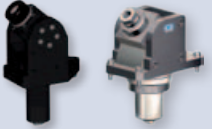
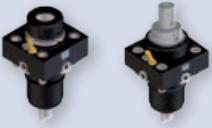

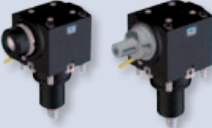

- **BIGLIA**
- **DMG/MORI SEIKI**
- **DOOSAN**
- **HAAS**
- **MAZAK**
- **NAKAMURA**

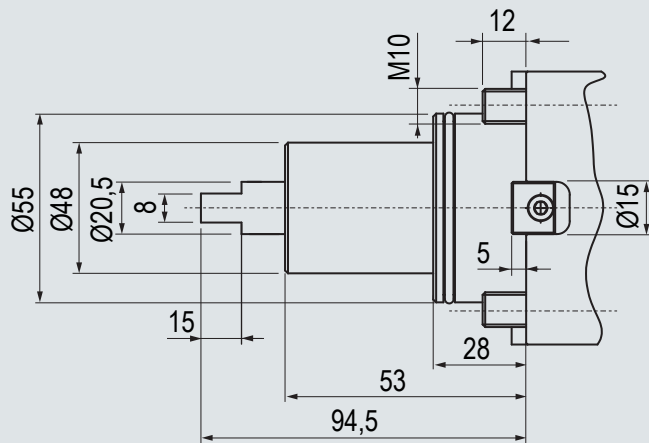
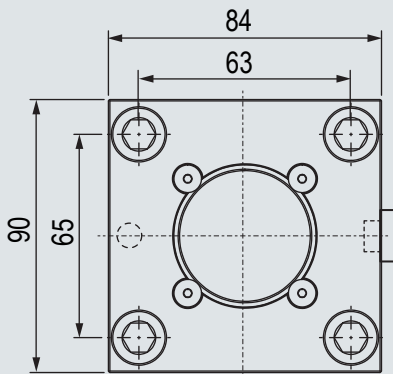
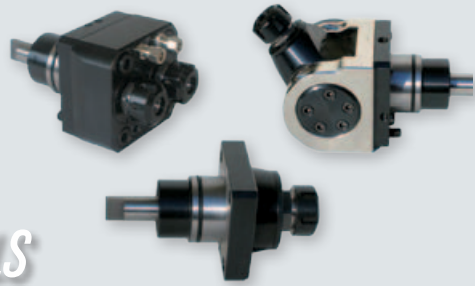


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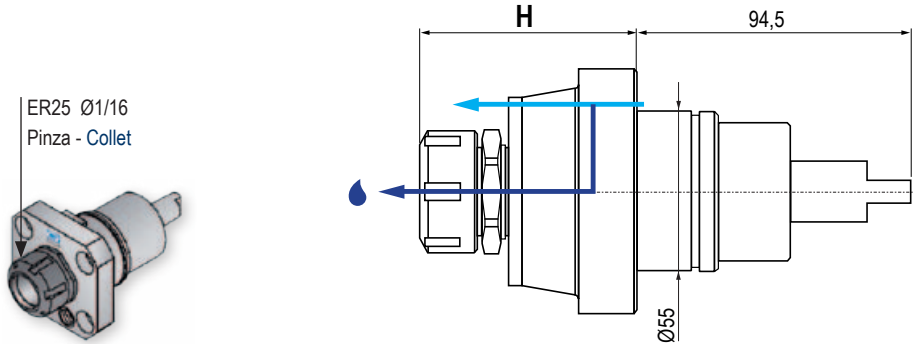
Gerardi Motorizzati - Driven tools

CAPITOLO - CHAPTER

BIGLIA						
	<i>ASSIALE - AXIAL</i>	<i>DISASSATO OFFSET AXIS</i>	<i>RADIALE - RADIAL</i>	<i>DOPPIO - DOUBLE</i>	<i>ORIENTABILE ADJUSTABLE ANGLE</i>	
5.	4 - 8 - 9	8	5 - 9	6	7	
DMG / MORI SEIKI						
	<i>ASSIALE - AXIAL</i>	<i>RADIALE - RADIAL</i>	<i>RADIALE ROVESCiato RADIAL UPSIDE-DOWN</i>	<i>DOPPIO - DOUBLE</i>	<i>ORIENTABILE ADJUSTABLE ANGLE</i>	
5.	12 - 15 - 18	13 - 16 - 18 - 19	19	14 - 17 - 20	14 - 17 - 21 - 22	
DOOSAN						
	<i>ASSIALE - AXIAL</i>	<i>DISASSATO OFFSET AXIS</i>	<i>RADIALE - RADIAL</i>	<i>DOPPIO - DOUBLE</i>	<i>ORIENTABILE ADJUSTABLE ANGLE</i>	
5.	24 - 28 - 32 - 36 - 40	24 - 28 - 32 - 36 - 40	25 - 29 - 33 - 37 - 41	26 - 30 - 34 - 38	27 - 31 - 35 - 39 - 42	
HAAS						
	<i>ASSIALE - AXIAL</i>	<i>RADIALE - RADIAL</i>	<i>ORIENTABILE ADJUSTABLE ANGLE</i>	<i>ADATTATORE TORRETTE HAAS ADAPTER FOR HAAS TURRET</i>	<i>PRESE DI MOTO COUPLING</i>	
5.	44 - 46 - 48	44 - 46 - 48	45 - 47 - 49	50	50	
MAZAK						
	<i>ASSIALE AXIAL</i>	<i>DISASSATO OFFSET AXIS</i>	<i>RADIALE - RADIAL</i>	<i>RADIALE ROVESCiato RADIAL UPSIDE-DOWN</i>	<i>DOPPIO - DOUBLE</i>	<i>ORIENTABILE ADJUSTABLE ANGLE</i>
5.	57	48 - 51 - 54	48 - 51 - 54 - 57	49 - 52 - 55	49 - 52 - 55 - 58	50 - 53 - 56 - 58
NAKAMURA						
	<i>ASSIALE - AXIAL</i>	<i>DISASSATO OFFSET AXIS</i>	<i>RADIALE - RADIAL</i>	<i>ORIENTABILE ADJUSTABLE ANGLE</i>		
5.	60 - 63	61	61 - 62 - 63 - 64	62 - 64		





B501-Y / B301 / B470 / B455 / B510 / B550 / B650 / B658 / 1200

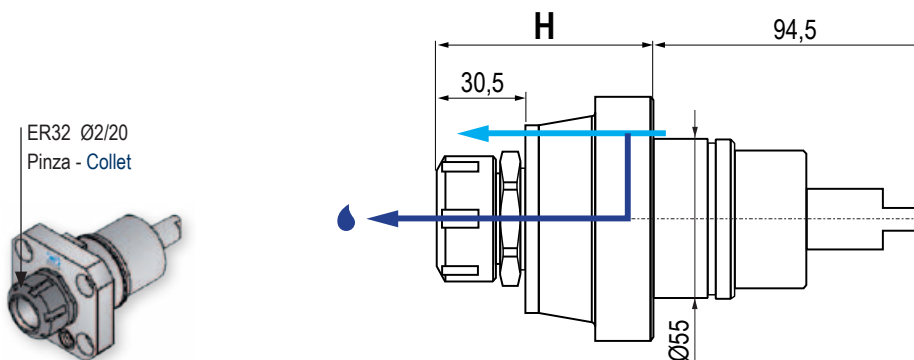


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$



Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm
99.BG.B01.A	ER-25	NO	63,5	-	4000
99.BG.B01.B	ER-25	NO	75	-	4000
99.BG.B01.C	ER-25	NO	53,5	-	4000
99.BG.B01.D 	ER-25	✓	63,5	-	4000
99.BG.B01.E 	ER-25	✓	75	-	4000



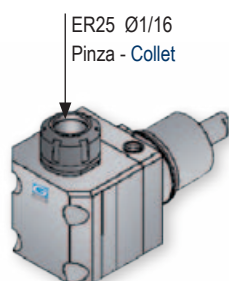
Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

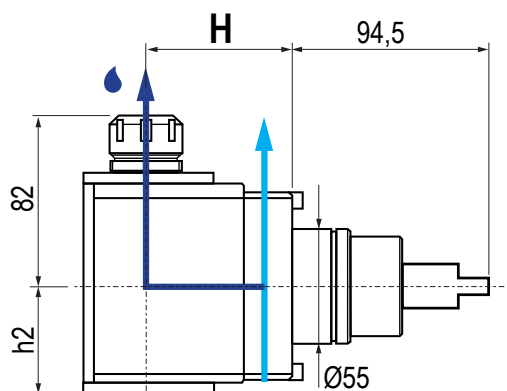
$\tau = 1:1$

Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm
99.BG.B02.A	ER-32	NO	83,5	-	4000
99.BG.B02.B	ER-32	NO	71,5	-	4000
99.BG.B02.C	ER-32	NO	59	-	4000
99.BG.B02.D 	ER-32	✓	83,5	-	4000
99.BG.B02.E 	ER-32	✓	71,5	-	4000

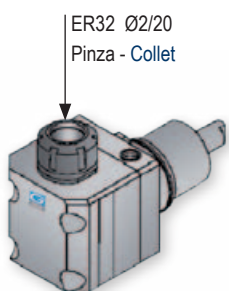
B501-Y / B301 / B470 / B455 / B510 / B550 / B650 / B658 / 1200



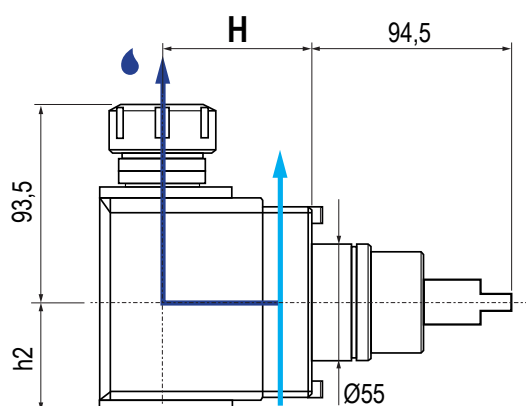
ER25 Ø1/16
Pinza - Collet



Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	h2	Nm	Rpm	τ
99.BG.B04.A	ER-25	NO	70	71	47	4000	1:1
99.BG.B04.B	ER-25	√	70	68	47	4000	1:1
99.BG.B04.C	ER-25	NO	100	51	47	4000	1:1
99.BG.B04.D	ER-25	√	100	68	47	4000	1:1
99.BG.B04.E	ER-25	NO	70	59,25	-	8000	1:2
99.BG.B04.F	ER-25	On Req.	70	51	-	2000	2:1

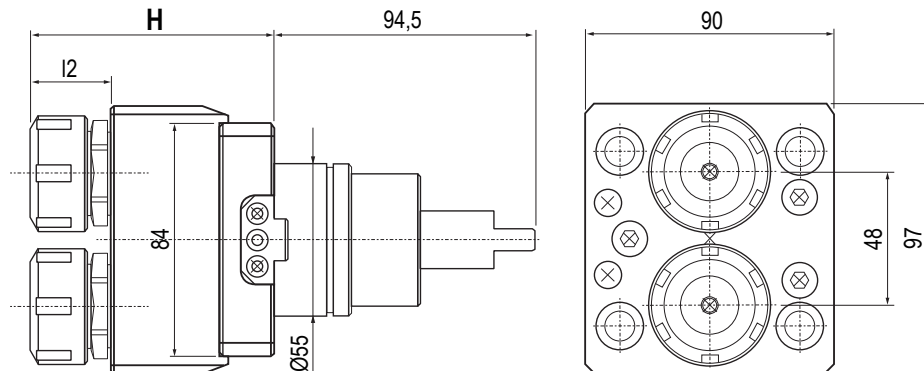


ER32 Ø2/20
Pinza - Collet



Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	h2	Nm	Rpm
99.BG.B05.A	ER-32	NO	70	51	47	4000
99.BG.B05.B	ER-32	√	70	68	47	4000
99.BG.B05.C	ER-32	NO	100	51	47	4000
99.BG.B05.D	ER-32	√	100	68	47	4000

B501-Y / B301 / B470 / B455 / B510 / B550 / B650 / B658 / 1200



Doppio
Double
Double
2 Fach

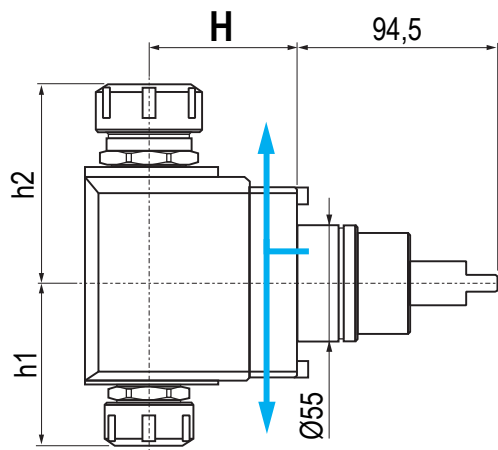
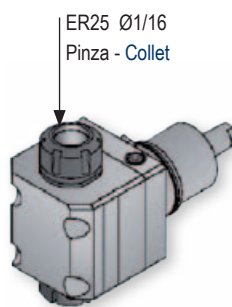
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	l2	Nm	Rpm
99.BG.B06.A	ER-16	NO	84	25	-	4000
99.BG.B06.B	ER-20	NO	87	28	-	4000
99.BG.B06.C	ER-25	NO	88	29	-	4000



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

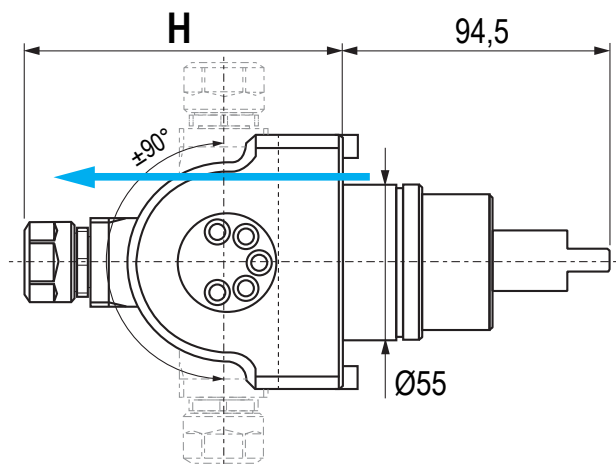


Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	h1	h2	Nm	Rpm
99.BG.B07.A	ER-32 - ER-25	NO	70	77	93,5	47	4000
99.BG.B07.B	ER-32 / ER-25	NO	100	77	93,5	47	4000
99.BG.B08.A	ER-25 / ER-25	NO	70	77	82	47	4000
99.BG.B08.B	ER-25 / ER-25	NO	100	77	93,5	47	4000
99.BG.B09.A	ER-25 / ER-16	NO	70	70		47	4000
99.BG.B09.B	ER-25 / ER-16	NO	100	100		47	4000

B501-Y / B301 / B470 / B455 / B510 / B550 / B650 / B658 / 1200



Orientabile

Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza

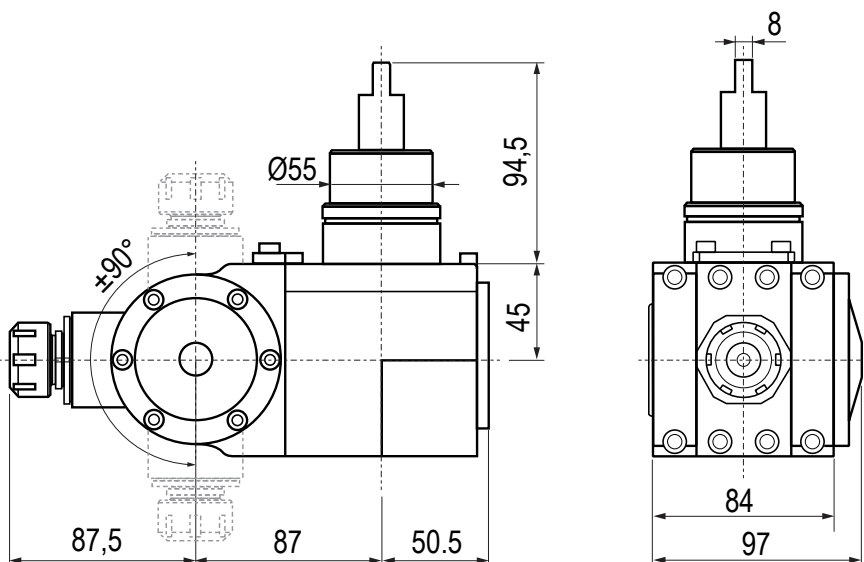
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm
99.BG.B10	ER-20	NO	140	-	4000
99.BG.B11	ER-16	NO	111	-	4000



Orientabile

Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza

Collet chuck
Pince de serrage
Spannzangeaufnahme

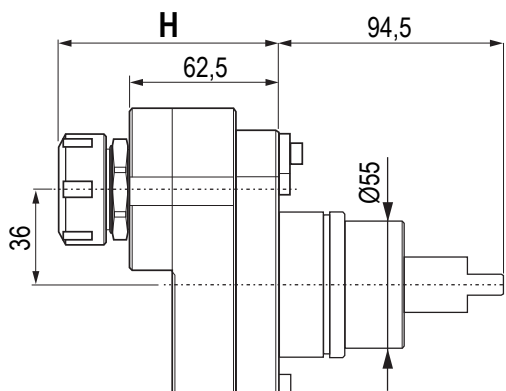


Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - Code - Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm
99.BG.B12	ER-20	NO	-	-	4000

B501-Y / B301 / B470 / B455 / B510 / B550 / B650 / B658 / 1200



Moltiplicati (1:2)
Speeders (1:2)
Multipliés
Angetriebenes Werkzeug mit erhöhter Drehzahl

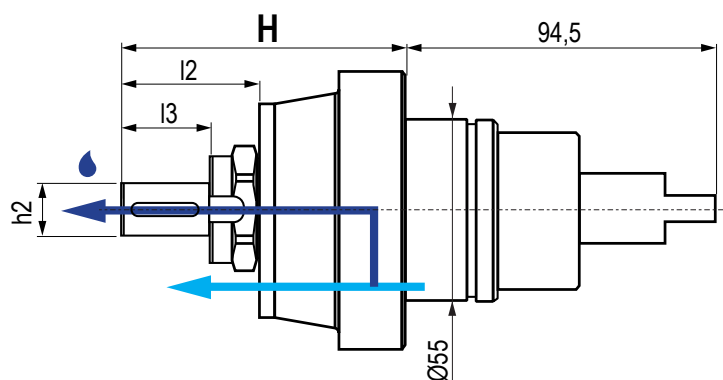
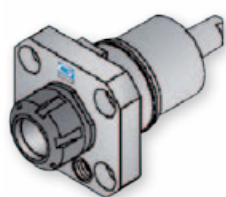
Disassato
 Offset axis
 Décalage axial
 Achsverzatz

Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

 Senso di rotazione contrario al mandrino
 Direction of rotation opposite to machine spindle

$\tau = 1:2$



Codice - code - code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm
99.BG.B14	ER-25	NO	92,5	-	8000



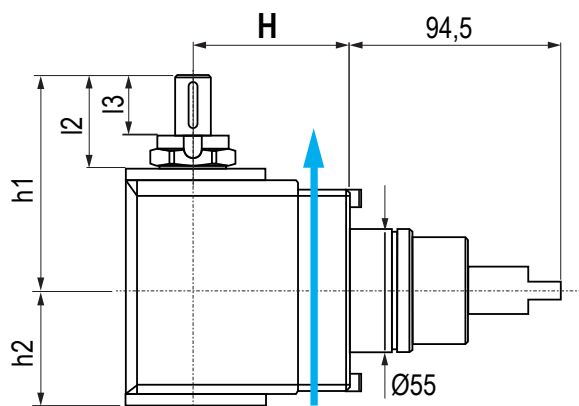
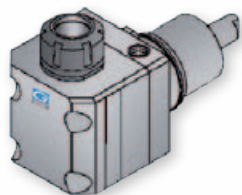
Assiale
 Axial
 Axial
 Axial

Portafresa
 Shell end milling cutter
 Fraises enfichables
 Fräseraufnahme

$\tau = 1:1$

Codice - code - code - Bestell Nr.	PF	Int Cool	H	l2	l3	h2	Nm	Rpm
99.BG.B15.A	PF-16	NO	86,5	72	27	Ø16	-	4000
99.BG.B15.B	PF-22	NO	92	74,5	31	Ø22	-	4000
99.BG.B15.C	PF-27	NO	94	79,5	33	Ø27	-	4000
99.BG.B16.A 	PF-16	✓	76,5	32	17	Ø16	-	4000
99.BG.B16.B 	PF-22	✓	80	35,5	19	Ø22	-	4000

B501-Y / B301 / B470 / B455 / B510 / B550 / B650 / B658 / 1200



Radiale
Radial
Radial
Radial

Portafresa
Shell end milling cutter
Fraises enfichables
Fräseraufnahme

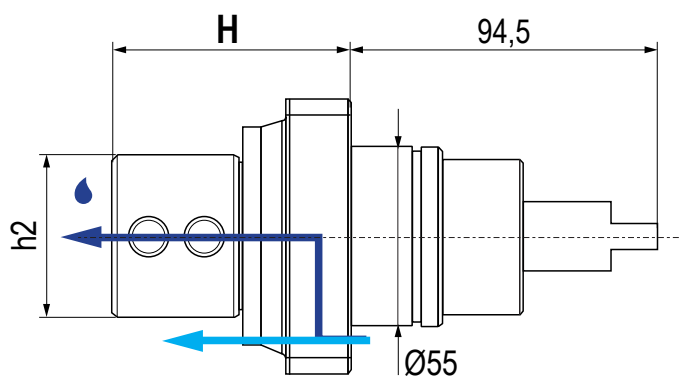
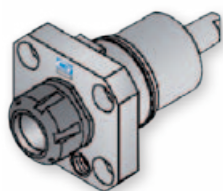


Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

$\tau = 2:1$

Codice - code - code - Bestell Nr.	PF	Int Cool	H	l2	l3	h1	h2	Nm	Rpm	τ
99.BG.B17.A	PF-16	NO	70	41,5	27	96	51,25	47	4000	-
99.BG.B17.B	PF-16	NO	100	41,5	27	96	51,25	47	4000	-
99.BG.B17.C	PF-22	NO	70	47,5	31	102	51,25	47	4000	-
99.BG.B17.D	PF-22	NO	100	47,5	31	102	51,25	47	4000	-
99.BG.B17.E	PF-27	NO	70	49,5	33	104	51,25	47	4000	-
99.BG.B17.F	PF-27	NO	100	49,5	33	104	51,25	47	4000	-
99.BG.B17.G	PF-16	NO	70	41,5	27	96	51,25	-	2000	2:1
99.BG.B17.H	PF-22	NO	70	41,5	31	96	51,25	-	2000	2:1
99.BG.B17.I	PF-27	NO	70	41,5	33	96	51,25	-	2000	2:1



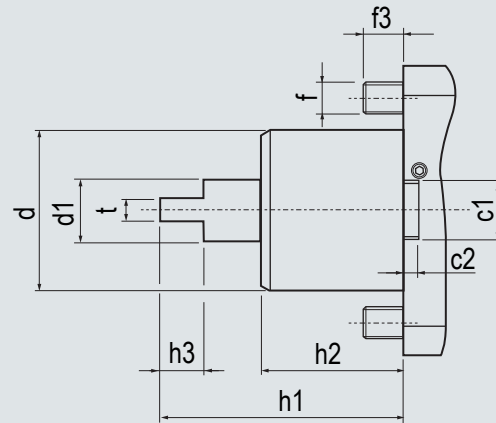
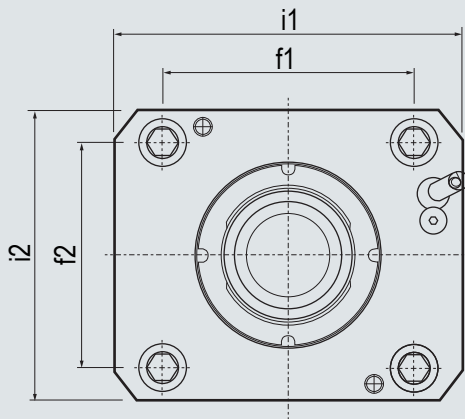
Assiale
Axial
Axial
Axial

Weldon
Weldon
Weldon
Weldon

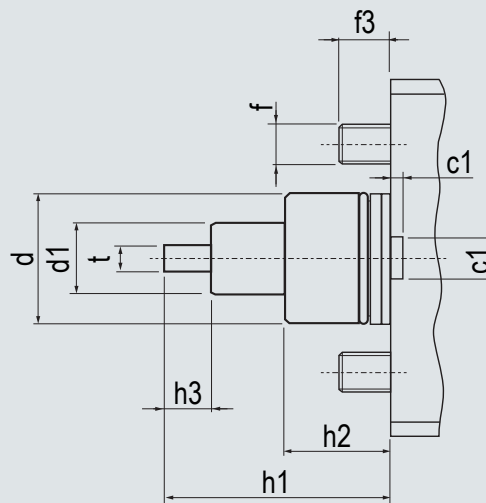
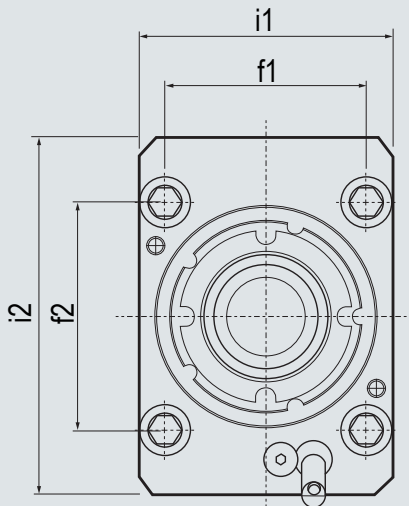
$\tau = 1:1$

Codice - code - code - Bestell Nr.	Output	Int Cool	H	h2	Nm	Rpm
99.BG.B19.A	WE25	✓	73	50	-	4000
99.BG.B19.B	WE20	✓	68	45	-	4000
99.BG.B19.C	WE16	✓	61	41	-	4000

DMG / MORI SEIKI MOTORIZZATI - DRIVEN TOOLS

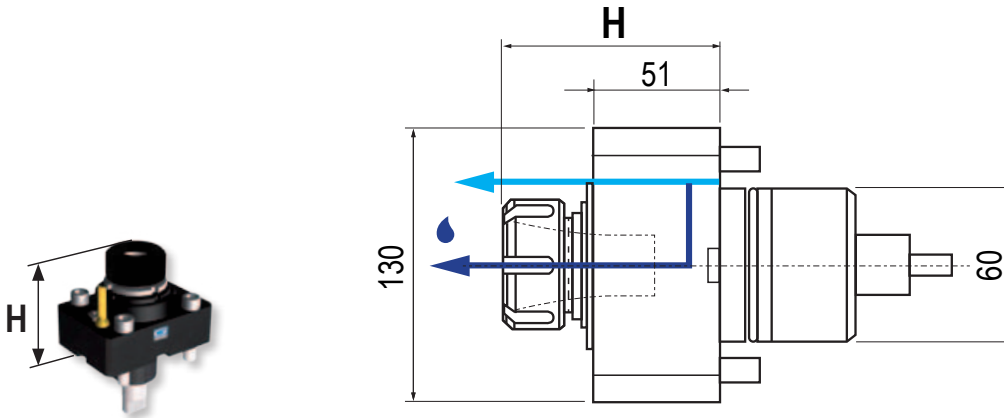


	c1	c2	d	d1	f	f1	f2	f3	h1	h2	h3	i1	i2	t		
NL	20	5,5	60	23,7	M12	94	84	15	91	53	16,5	130	108	8		



	c1	c2	d	d1	f	f1	f2	f3	h1	h2	h3	i1	i2	t		
NZ	12	4,5	40	22	10	70	62	16	69	32	14,4	78	110	8		

NL 1500 - 2000 - 3000

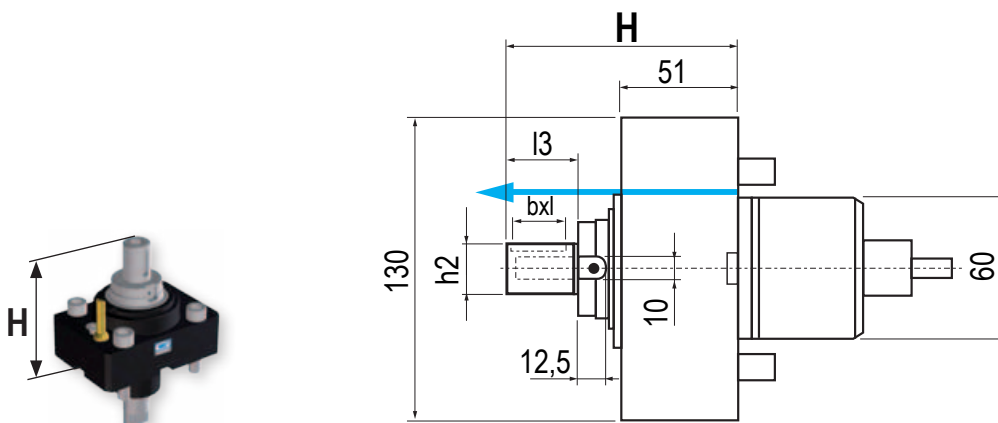


Assiale
 Axial
 Axial
 Axial

Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	ρ kw
99.MS.A59	ER-32	NO	86+89,8	60	6.000	10
99.MS.A62	ER-40	NO	87,5+91,9	60	6.000	10
99.MS.A60	ER-32	70bar	86+89,8	60	6.000	10
99.MS.A63	ER-40	70bar	87,5+91,9	60	6.000	10



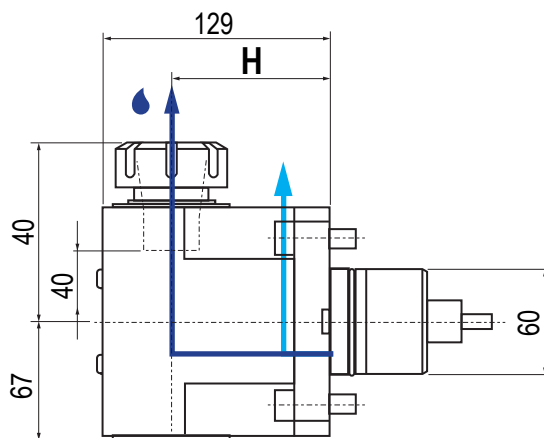
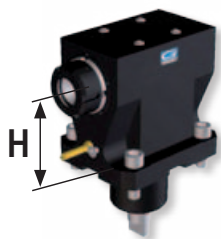
Assiale
 Axial
 Axial
 Axial

Portafresa
 Shell end milling cutter
 Fraises enfichables
 Fräseraufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	bxl	Int Cool	H	l3	h2	Nm	Rpm	ρ kw
99.MS.A67	20x6	NO	100	31	Ø22	60	6.000	10
99.MS.A68	23x6	NO	100	33	Ø27	60	6.000	10

NL 1500 - 2000 - 3000



Radiale
Radial
Radial
Radial

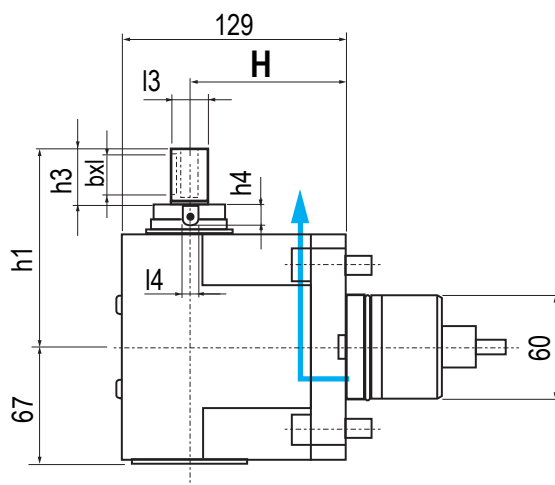
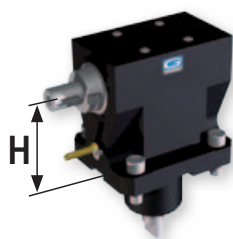
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	ρ kw
99.MS.A72	ER-32	NO	90	99,5÷103,5	60	6.000	10
99.MS.A76	ER-40	NO	90	101,5÷105,9	60	6.000	10
99.MS.A73	ER-32	70bar	90	99,5÷103,5	60	6.000	10
99.MS.A77	ER-40	70bar	90	101,5÷105,9	60	6.000	10



Radiale
Radial
Radial
Radial

Portafresa
Shell end milling cutter
Fraises enfichables
Fräseaufnahme

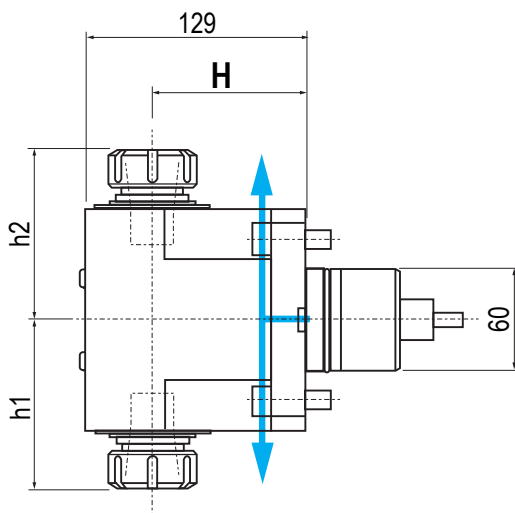
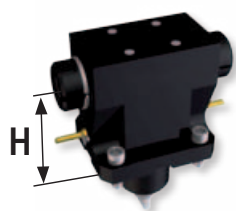


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	bxl	Int Cool	H	l3	h1	h3	h4	Nm	Rpm	ρ kw
99.MS.A69	20x6	NO	90	31		Ø22		60	6.000	10
99.MS.A70	23x6	NO	90	33		Ø27		60	6.000	10

NL 1500 - 2000 - 3000



Doppio
Double
Double
2 Fach

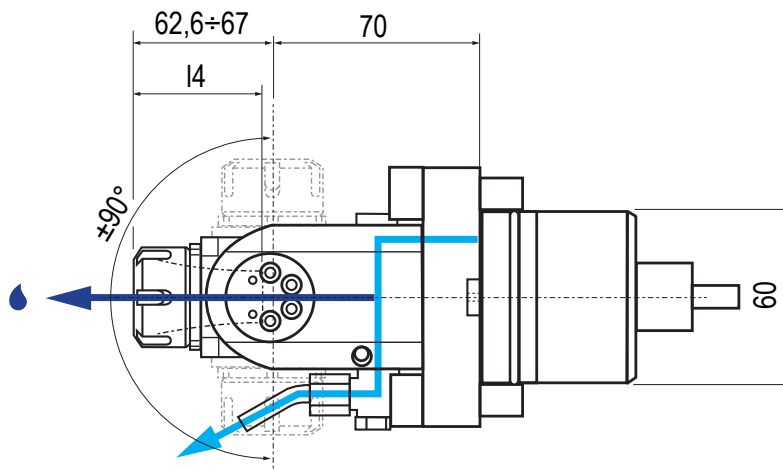
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	Nm	Rpm	ρ kw
99.MS.A84	ER-32	NO	90	99,5±103,5	99,5±103,5	60	6.000	10
99.MS.A85	ER-40	NO	90	101,5±105,9	101,5±105,9	60	6.000	10



Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

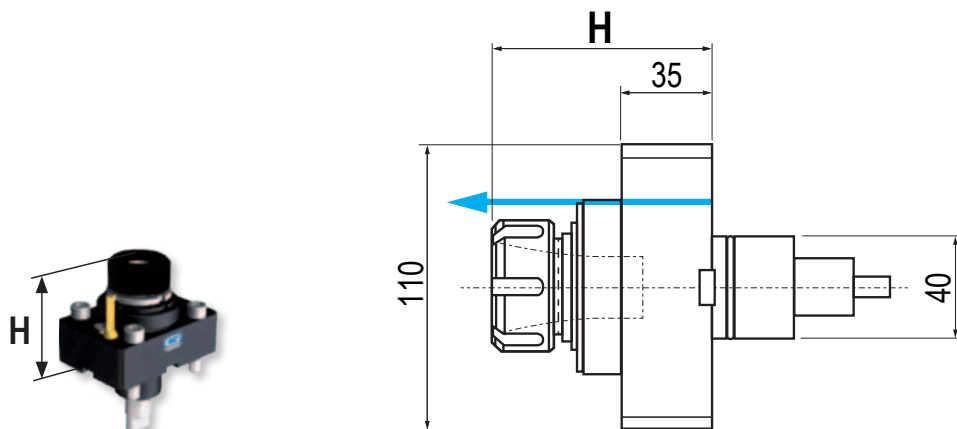




Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

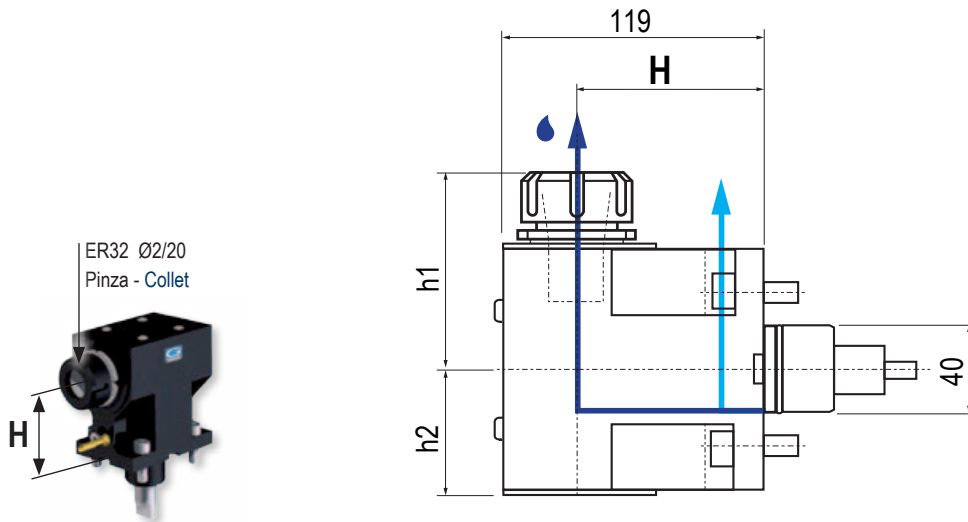
Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	ρ kw
99.MS.A86	ER-25	NO	-	30	6.000	5,5
99.MS.A87	ER-25	70bar	-	30	6.000	5,5

NZ 1500 - 2000 - 3100 - 3150 - 3200



Assiale		Portapinza				
Axial		Collet chuck		$\tau = 1:1$		
Axial		Pince de serrage				
Axial		Spannzangeaufnahme				
Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.MS.A101	ER-25	NO	79,8 + 84	50	6.000	7,5
99.MS.A103	ER-32	NO	85,2 + 89	50	6.000	7,5
99.MS.A102 	ER-25	70bar	79,8 + 84	50	6.000	7,5
99.MS.A104 	ER-32	70bar	85,2 + 89	50	6.000	7,5

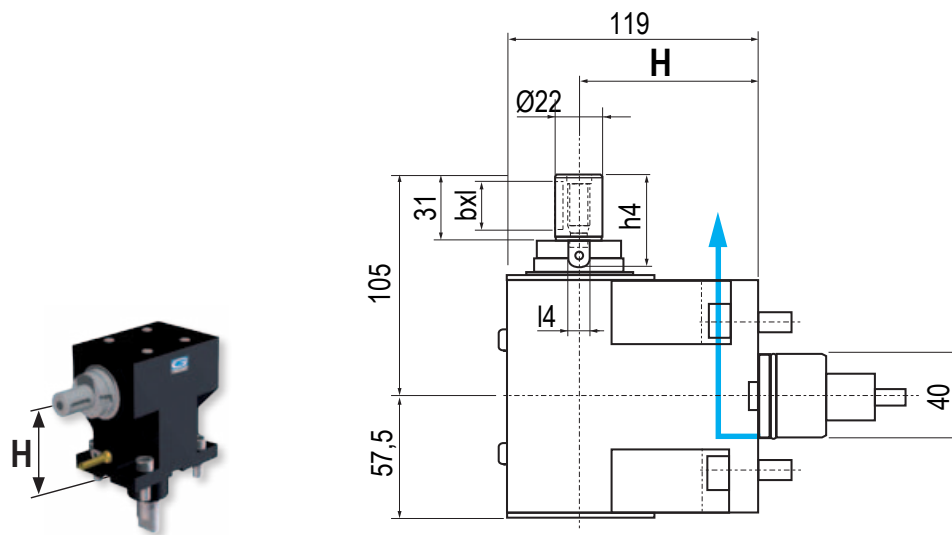
NZ 1500 - 2000 - 3100 - 3150 - 3200



ER32 Ø2/20
Pinza - Collet

Radiale	Portapinza	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	$\tau = 1:1$
Radial	Collet chuck		
Radial	Pince de serrage		
Radial	Spannzangeaufnahme		

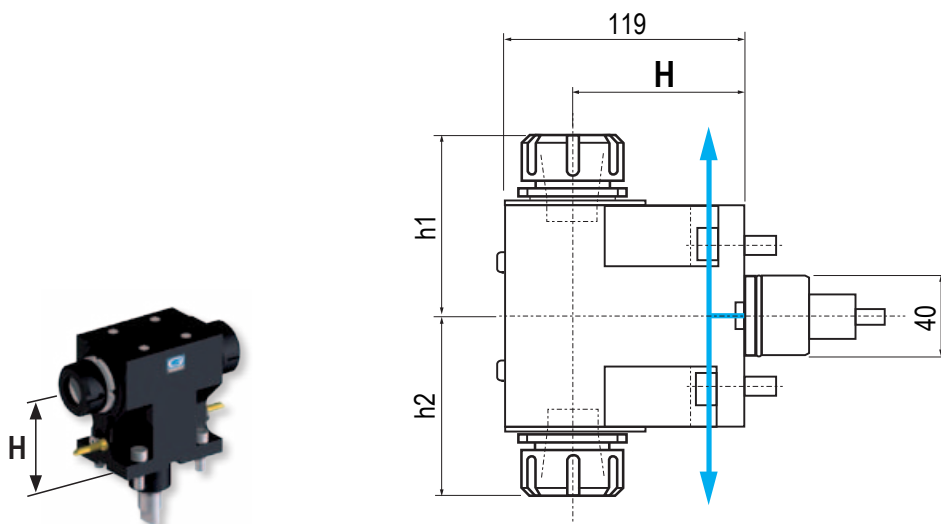
Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	Nm	Rpm	p kw
99.MS.A108	ER-32	NO	85	89+93,5	57,5	50	6.000	7,5
99.MS.A109	ER-32	70bar	85	89+93,5	63,5	50	6.000	7,5



Radiale	Portafresa	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	$\tau = 1:1$
Radial	Shell end milling cutter		
Radial	Fraises enfichables		
Radial	Fräseraufnahme		

Codice - Code Code - Bestell Nr.	bxl	Int Cool	H	h4	Nm	Rpm	p kw
99.MS.A110	20x6	NO	85	-	50	6.000	7,5

NZ 1500 - 2000 - 3100 - 3150 - 3200



Doppio
Double
Double
2 Fach

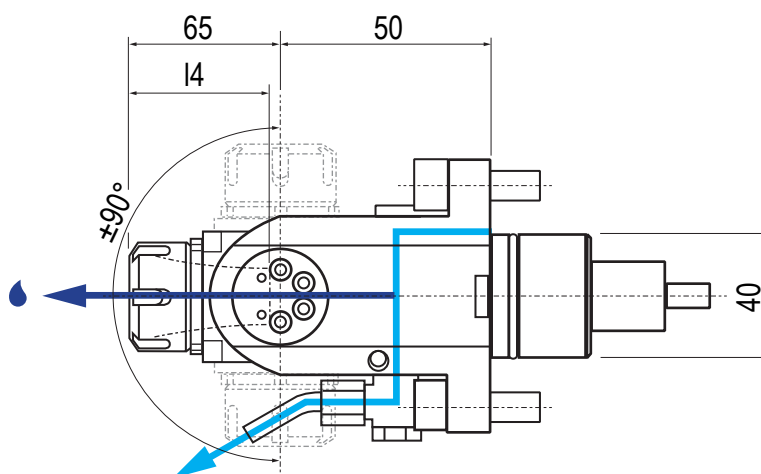
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	Nm	Rpm	p kw
99.MS.A115	ER-25	NO	85	84,6+89	84,6+89	50	6.000	7,5
99.MS.A114	ER-32	NO	85	89+93,5	89+93,5	50	6.000	7,5



Orientabile
Adjustable angle
Angle réglable
Winkleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

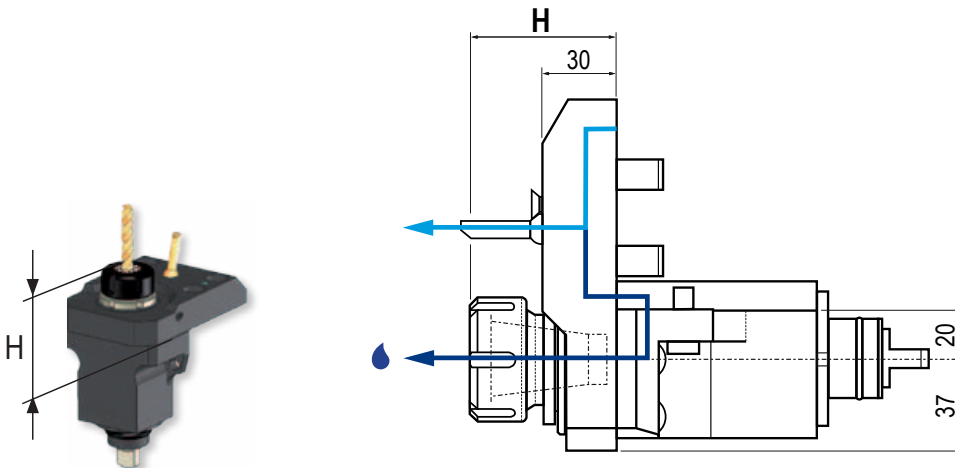


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.MS.A118	ER-20	NO	-	50	6.000	7,5
99.MS.A119	ER-20	70bar	-	50	6.000	7,5

SL-ZL-DL 200-250MC / SC 203-204-205 / SC 250Y

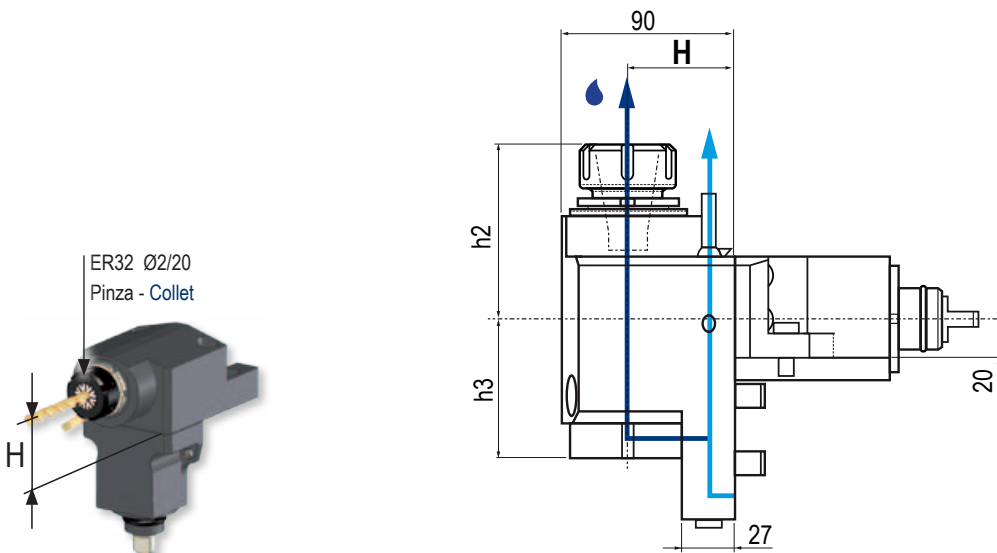


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.MS.A28	ER-30	NO	55,5+60	70	6.000	10
99.MS.A29	ER-32	70bar	55,5+60	70	6.000	10



Radiale
Radial
Radial
Radial

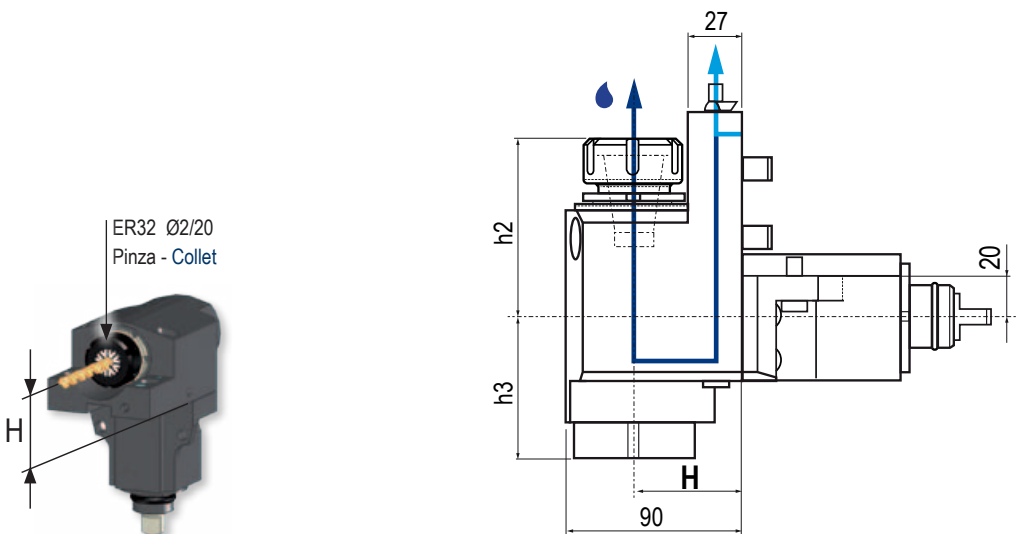
Portafresa
Shell end milling cutter
Fraises enfichables
Fräseraufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h2	h3	Nm	Rpm	p kw
99.MS.A33	ER-32	NO	55	89+93,5	57	70	6.000	10
99.MS.A34	ER-32	70bar	55	89+93,5	72	70	6.000	10

SL-ZL-DL 200-250MC / SC 203-204-205 / SC 250Y



Radiale rovesciato
Radial upside-down
Radial renversé
Radial überkopf

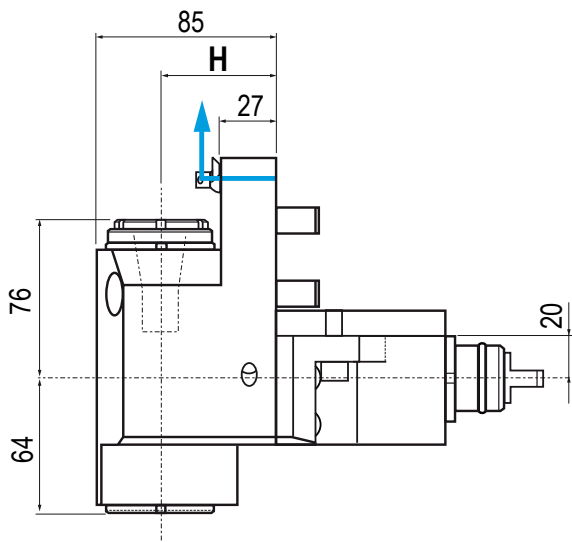
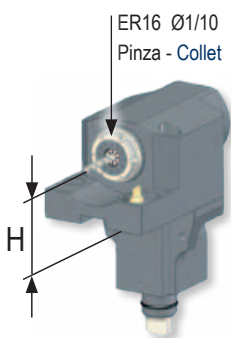
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h2	h3	Nm	Rpm	p kw
99.MS.A41	ER-32	NO	55	89÷93,5	57	70	6.000	10
99.MS.A42	ER-32	70bar	55	89÷93,5	67	70	6.000	10

Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Radiale rovesciato
Radial upside-down
Radial renversé
Radial überkopf

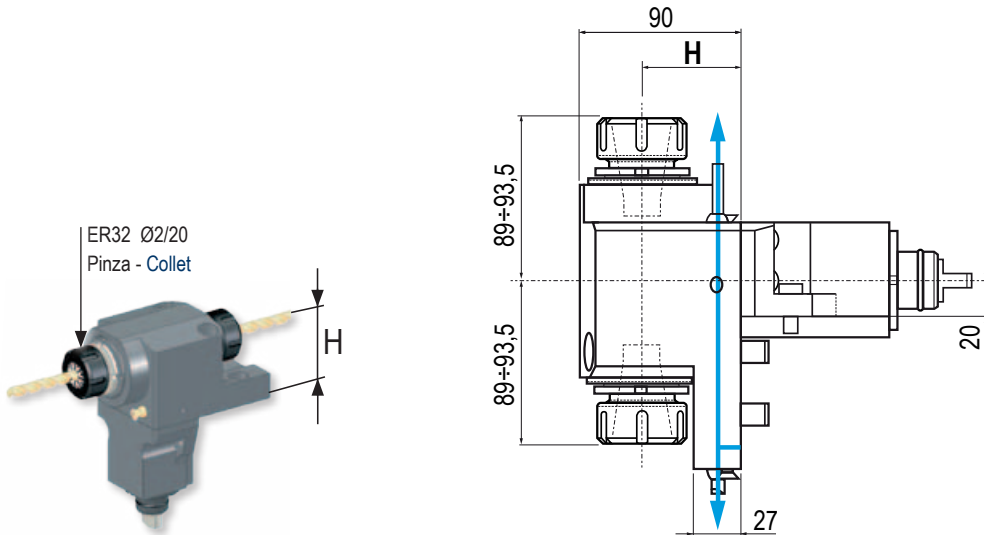
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.MS.A43	ER-16	NO	55	8	24.000	4

SL-ZL-DL 200-250MC / SC 203-204-205 / SC 250Y



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

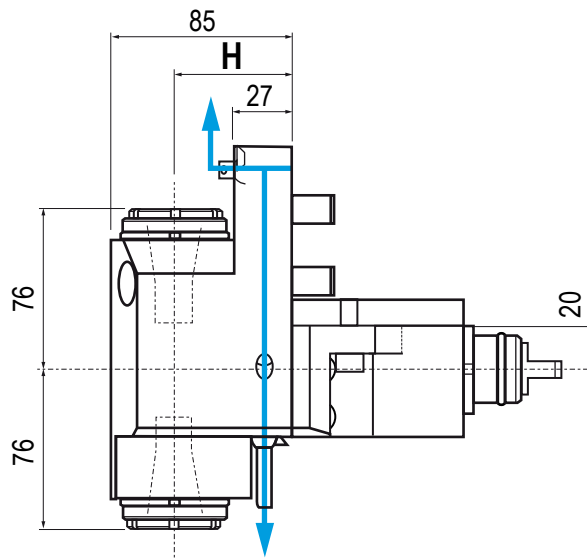
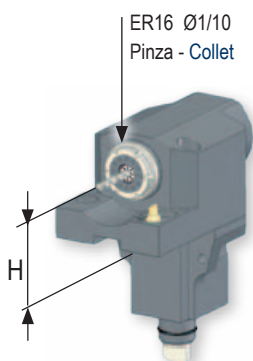


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.MS.A49	ER 32-32	NO	55	70	6.000	10

Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

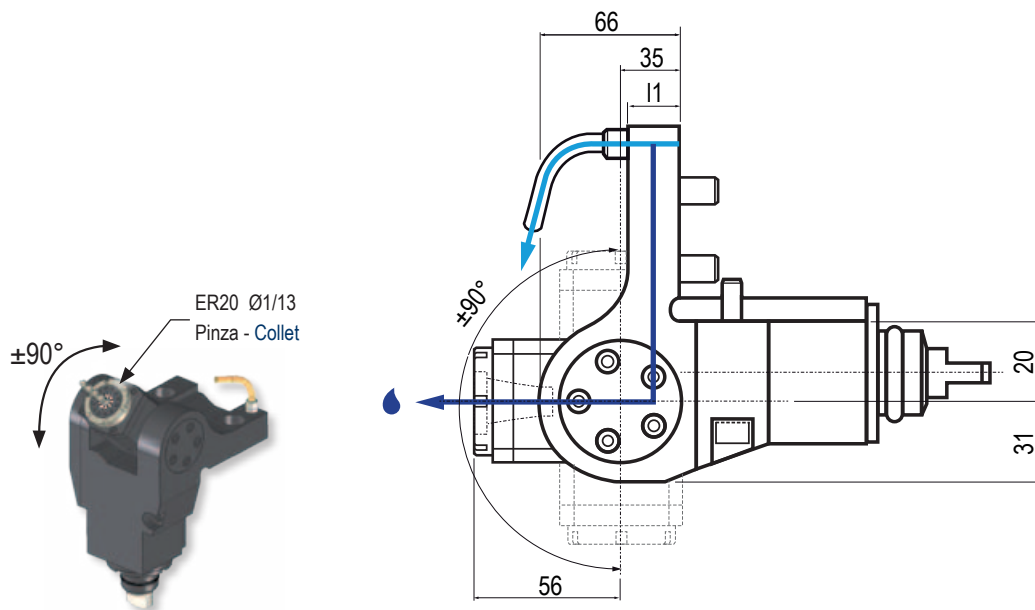


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.MS.A51	ER 16-16	NO	55	8	24.000	4

SL-ZL-DL 200-250MC / SC 203-204-205 / SC 250Y




Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

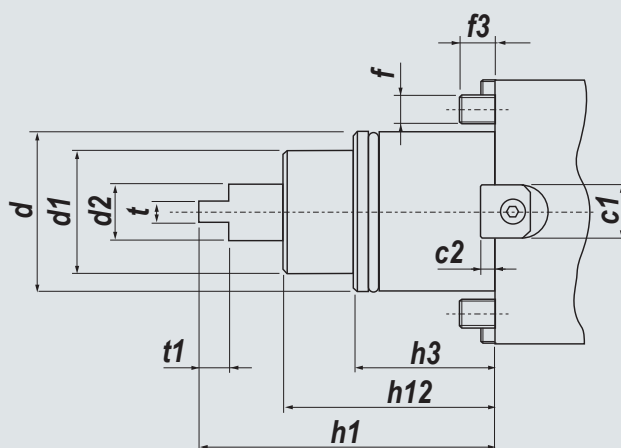
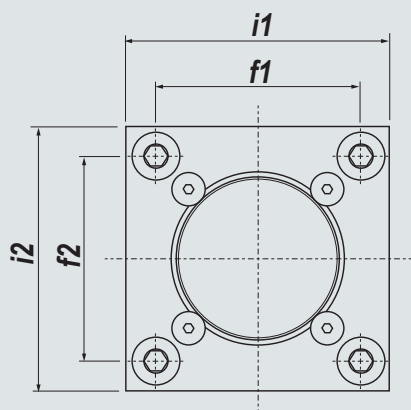
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



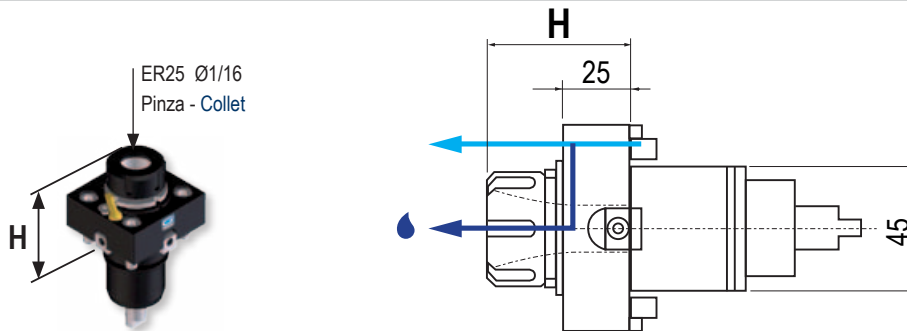
Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	I5	Nm	Rpm	p kw
99.MS.A55	ER-20	NO	25	37,5	25	6.000	6
99.MS.A56 	ER-20	70bar	25	37,5	25	6.000	6



	c1	c2	d	d1	d2	f	f1	f2	f3	h1	h2	h3	i1	i2	t	t2
BMT45	15	4	45	35	14	M8	58	58	10	84	60	40	75	75	6	8,5
BMT55	151	4	55	40	16	M10	64	64	14	104	75	30	85	85	6	8,5
BMT65	8	5	65	45	18	M12	70	73	15	112	83	32	94	94	10	14
BMT75	25	5	75	55	23	M12	90	90	15	110	80	43	112	112	14	15
BMT85	25	5	85	65	33,5	M12	100	100	18	140	100	43	125	125	16	20

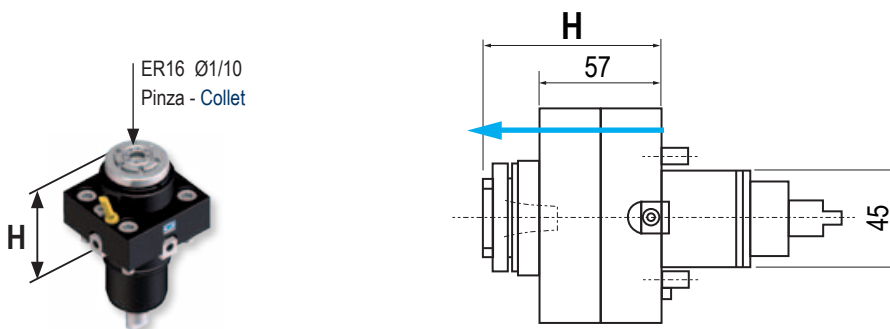


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	ρ kw
99.DS.A03	ER-25	NO	52 ÷ 57,5	35	8000	6
99.DS.A04	ER-25	70bar	52 ÷ 56,5	35	8000	6



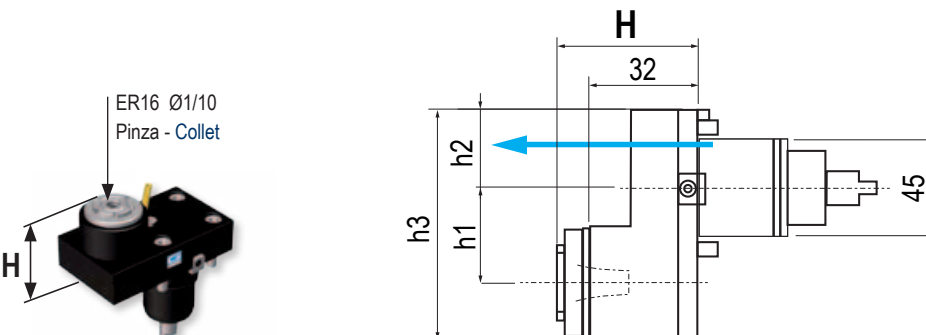
Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:4$

Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - code code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	ρ kw
99.DS.A05	ER-16	NO	86	3	32.000	2,5



Disassato
Offset axis
Décalage axial
Achsversatz

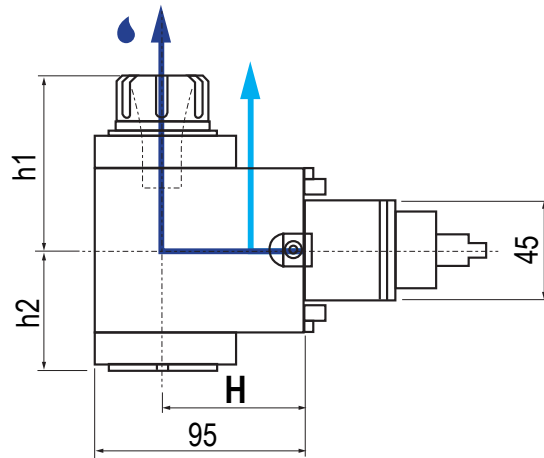
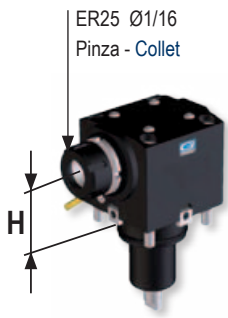
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:2$

Moltiplicati (1:2)
Speeders (1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	h3	Nm	Rpm	ρ kw
99.DS.A06	ER-16	NO	69	45	37,5	114,5	15	16.000	4



Radiale
Radial
Radial
Radial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

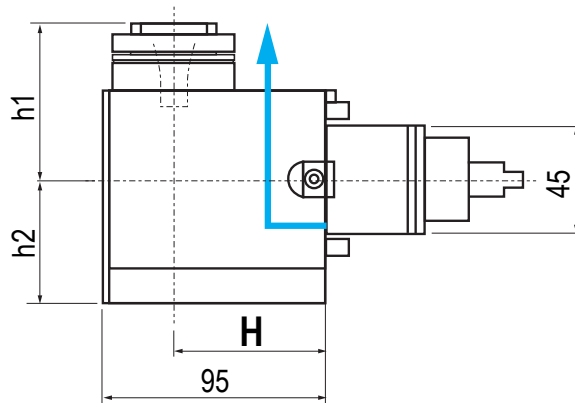
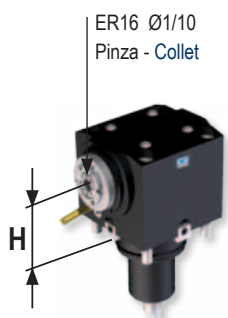


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A07	ER-25	NO	65	80+84,5	52	35	8.000	6
99.DS.A08	ER-25	70bar	65	80+84,5	52	35	8.000	6

Moltiplicati (1:4 - 1:2)
Speeders (1:4 - 1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Radiale
Radial
Radial
Radial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

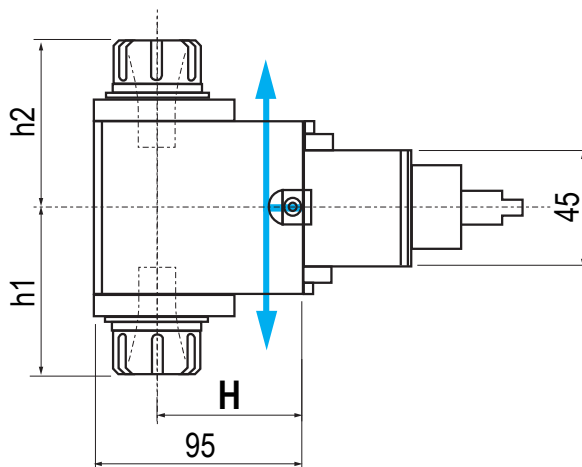
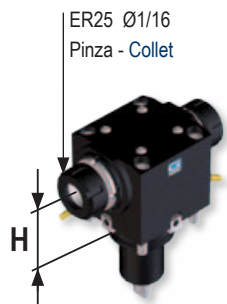


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

$\tau = 1:2$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	Nm	Rpm	Ratio τ	p kw
99.DS.A09	ER-16	NO	65	59	68	3	32.000	1:4	2,5
99.DS.A10	ER-16	NO	65	72	55	15	16.000	1:2	4



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

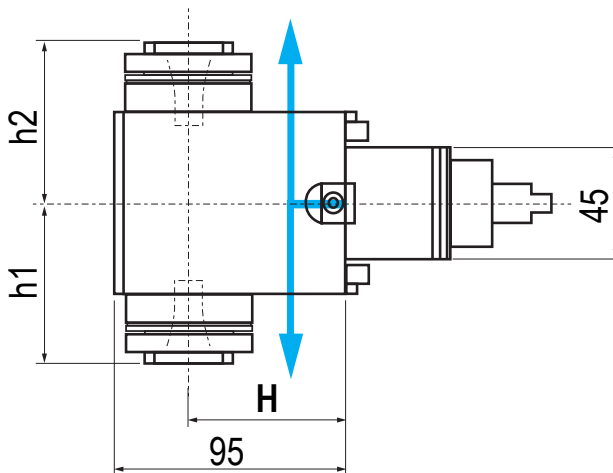
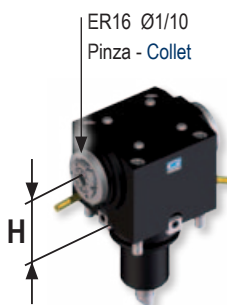


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A13	ER-25	NO	65	80+84,5	80+84,5	35	8.000	6

Moltiplicati (1:4 - 1:2)
Speeders (1:4 - 1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

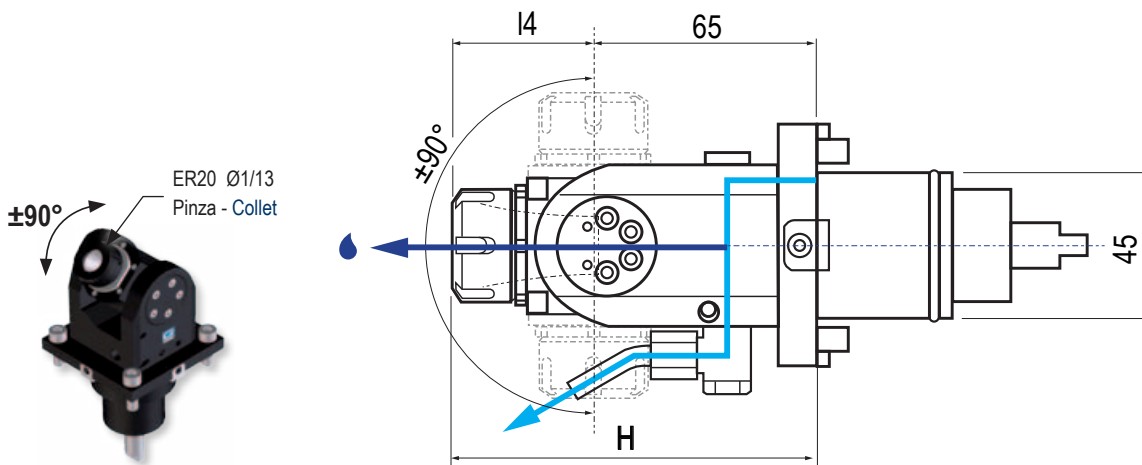


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

$\tau = 1:2$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	Ratio τ	p kw
99.DS.A14	ER-16	NO	65	59	59	3	32.000	1:4	2,5
99.DS.A15	ER-16	NO	65	72	72	15	16.000	1:2	4




Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

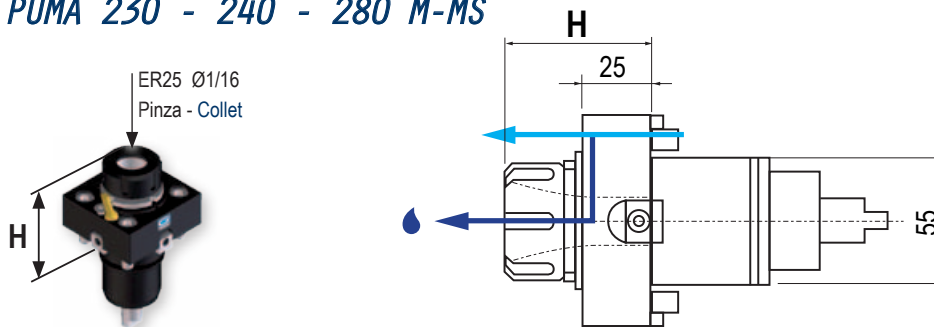


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	l4	Nm	Rpm	p kw
99.DS.A16	ER-20	NO	-	37	15	8.000	3
99.DS.A17 	ER-20	70bar	-	37	15	8.000	3

PUMA 230 - 240 - 280 M-MS

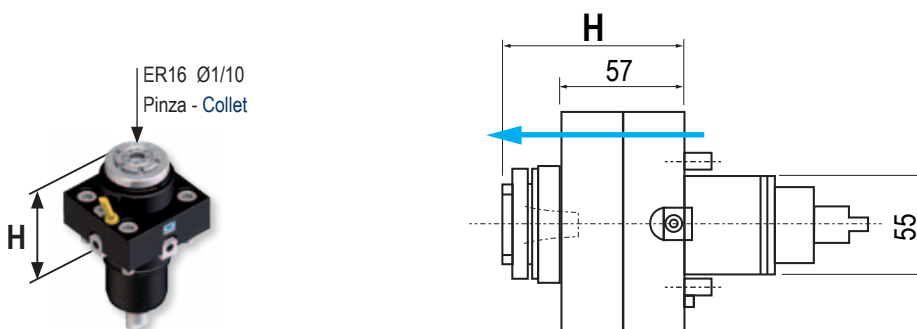


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	ρ kw
99.DS.A01	ER-25	NO	52 ÷ 57,5	40	8.000	8
99.DS.A02	ER-25	70bar	52 ÷ 57,5	40	8.000	8



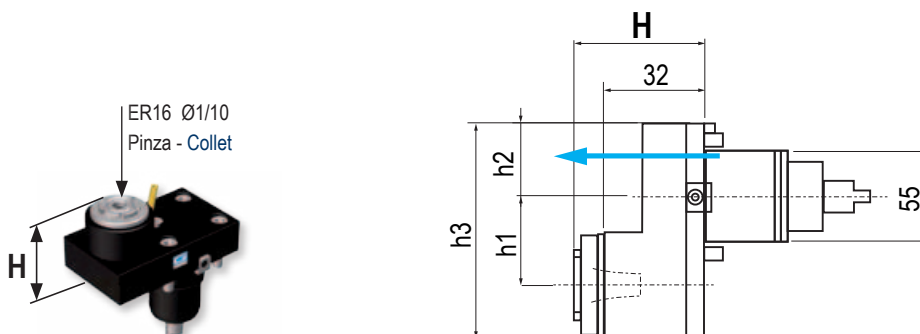
Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:4$

Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - code code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	ρ kw
99.DS.A18	ER-16	NO	86	4	24.000	3



Disassato
Offset axis
Décalage axial
Achsversatz

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

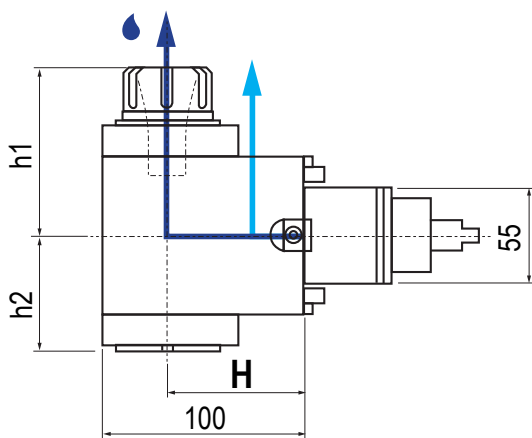
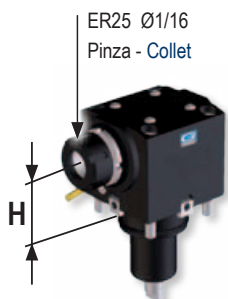
Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:2$

Moltiplicati (1:2)
Speeders (1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	h3	Nm	Rpm	ρ kw
99.DS.A19	ER-16	NO	69	45	42,5	119	15	16.000	4

PUMA 230 - 240 - 280 M-MS



Radiale
Radial
Radial
Radial

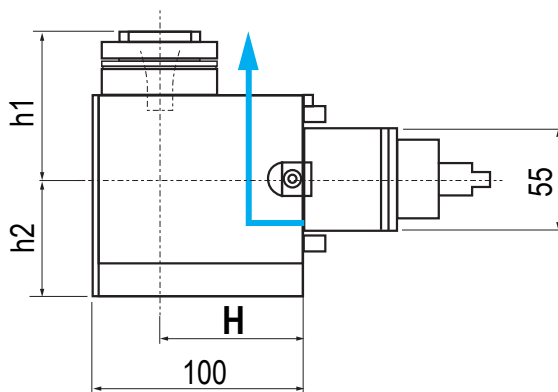
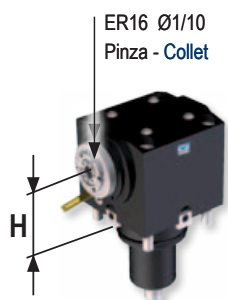
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	ρ kw
99.DS.A11	ER-25	NO	70	80+84,5	55	40	8.000	8
99.DS.A12	ER-25	70bar	70	80+84,5	55	40	8.000	8

Moltiplicati (1:4 - 1:2)
Speeders (1:4 - 1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Radiale
Radial
Radial
Radial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

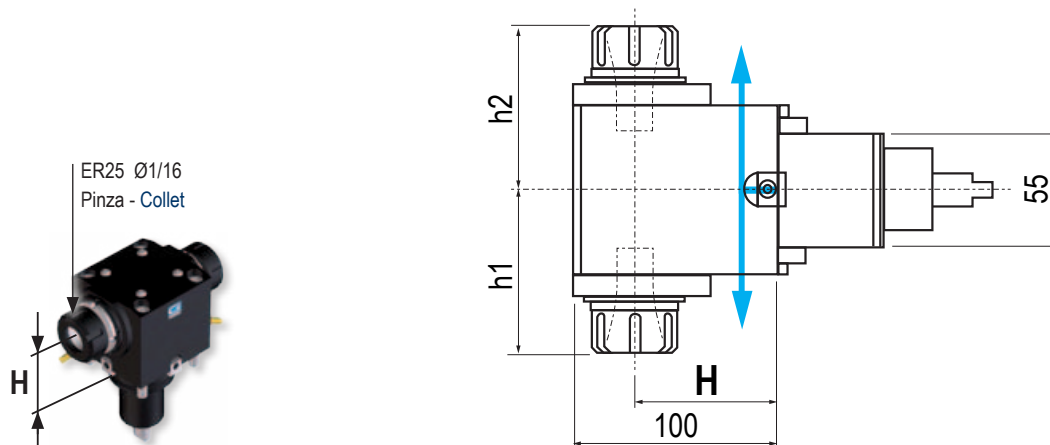
Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

$\tau = 1:2$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	Nm	Rpm	τ	ρ kw
99.DS.A20	ER-16	NO	70	72	68	4	24.000	1:4	3
99.DS.A21	ER-16	NO	70	72	55	15	16.000	1:2	4

PUMA 230 - 240 - 280 M-MS



Doppio
Double
Double
2 Fach

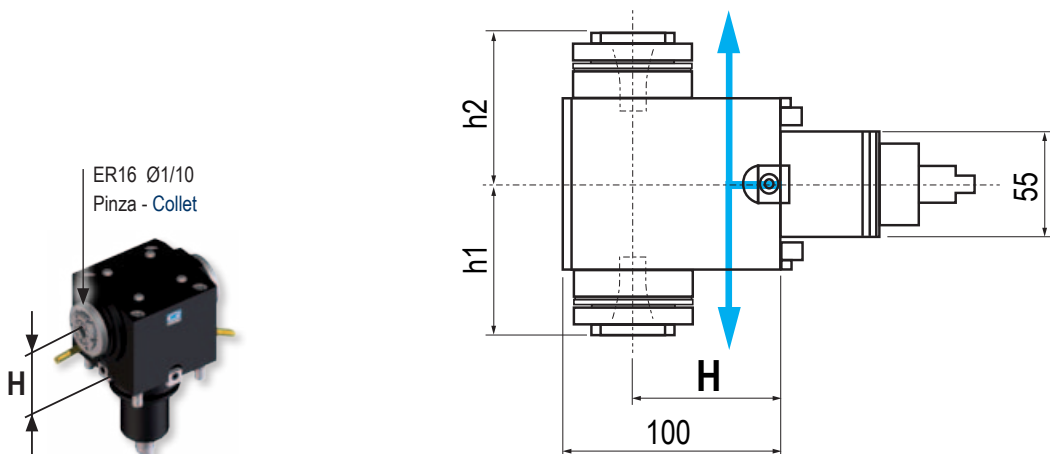
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A24	ER-25	NO	70	80+84,5	80+84,5	40	8.000	8



ER16 Ø1/10
Pinza - Collet

Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

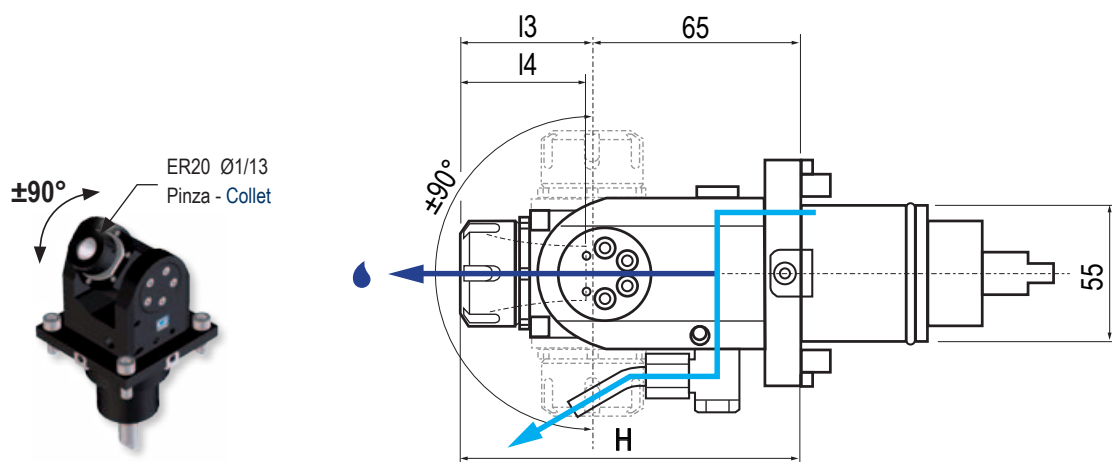


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A25	ER-16	NO	70	72	72	4	24.000	3
99.DS.A26	ER-16	NO	70	72	72	15	16.000	4

PUMA 230 - 240 - 280 M-MS




Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

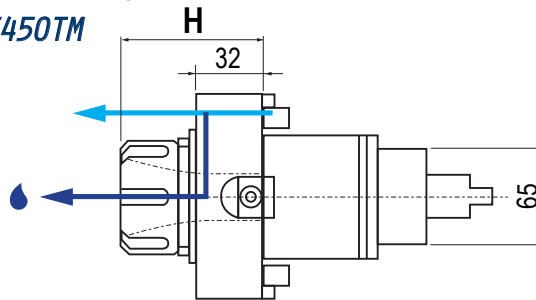
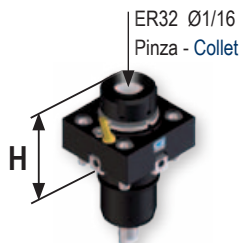


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	I3	I4	Nm	Rpm	ρ kw
99.DS.A23	ER-20	NO	117,5	48+52,5	37	15	8.000	3
99.DS.A66 	ER-20	70bar	117,5	48+52,5	37	15	8.000	3

PUMA 300M - MS / TT2000 / TT2500 / MX2000 / X2500 / VT450 VT450TM

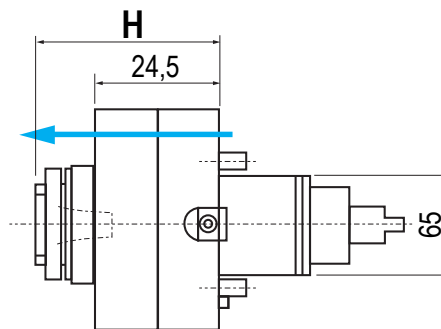


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.DS.A41	ER-32	NO	68 ÷ 72,5	70	6.000	10
99.DS.A42	ER-32	70bar	68 ÷ 72,5	70	6.000	10



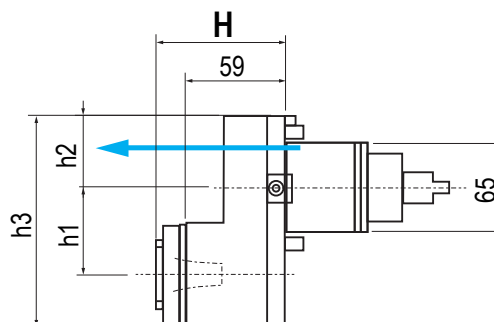
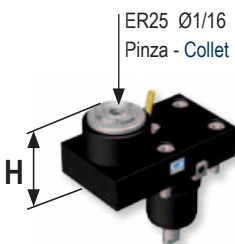
Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:4$

Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - code code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.DS.A27	ER-25	NO	39,5	8	24.000	4



Disassato
Offset axis
Décalage axial
Achsversatz

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

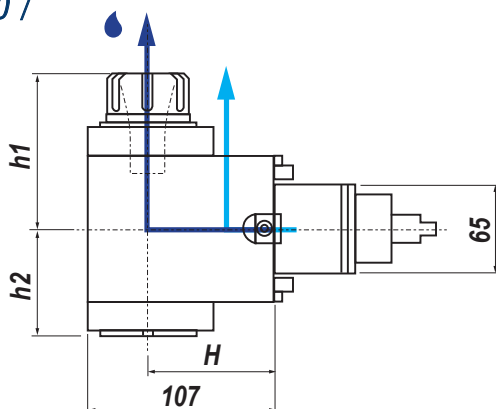
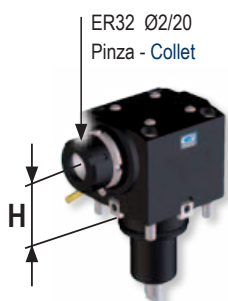
Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:2$

Moltiplicati (1:2)
Speeders (1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	h3	Nm	Rpm	p kw
99.DS.A28	ER-25	NO	100,5÷105	45	47	122	35	12.000	8

PUMA 300M - MS / TT2000 / TT2500 / MX2000 / X2500 / VT450 VT450TM



Radiale
Radial
Radial
Radial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

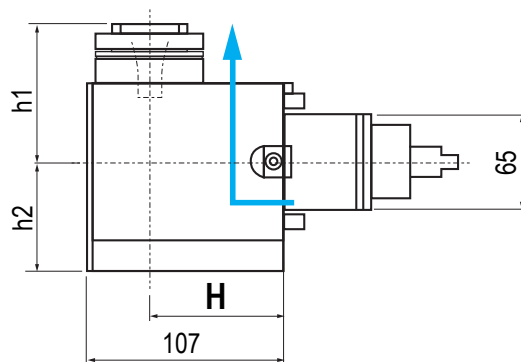
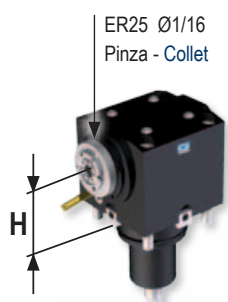


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A51	ER-32	NO	72	89+93,5	57	70	6.000	10
99.DS.A52	ER-32	70bar	72	89+93,5	57	70	6.000	10

Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Radiale
Radial
Radial
Radial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

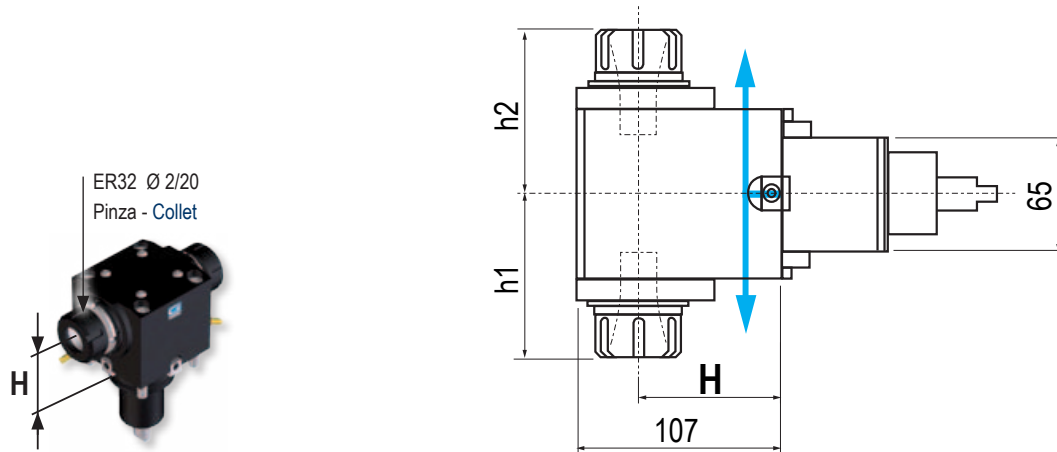


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	h3	Nm	Rpm	p kw
99.DS.A29	ER-25	NO	72	76	65	36	8	24.000	4
99.DS.A30	ER-25	NO	72	93,5+98	67	46	35	12.000	8

PUMA 300M - MS / TT2000 / TT2500 /
MX2000 / X2500 / VT450 VT450TM

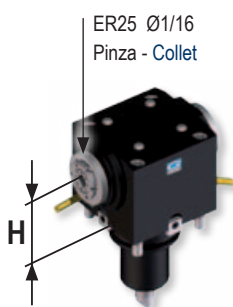


ER32 Ø 2/20
Pinza - Collet

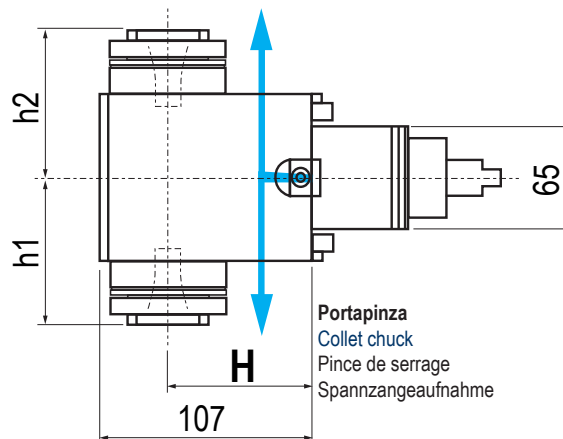
Doppio Double Double 2 Fach	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	τ = 1:1
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Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A31	ER-32	NO	72	89+93,5	89+93,5	70	6.000	10

Moltiplicati (1:4 - 1:2)
Speeders (1:4 - 1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



ER25 Ø1/16
Pinza - Collet

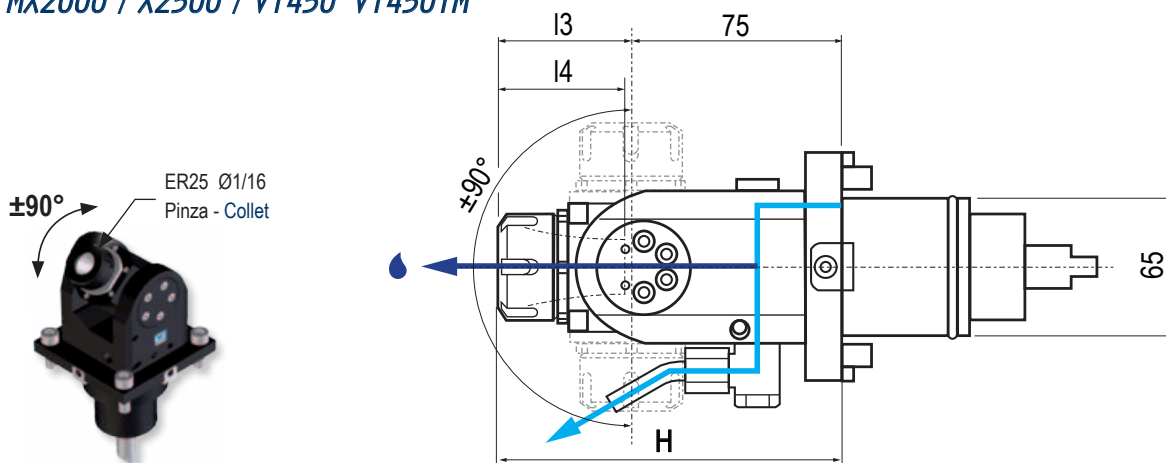


Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Doppio Double Double 2 Fach	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	τ = 1:4
			τ = 1:2

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	τ	p kw
99.DS.A32	ER-25	NO	72	77	77	8	24.000	1:4	4
99.DS.A33	ER-25	NO	72	93,5+98	93,5+98	35	12.000	1:2	8

PUMA 300M - MS / TT2000 / TT2500 /
MX2000 / X2500 / VT450 VT450TM




Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

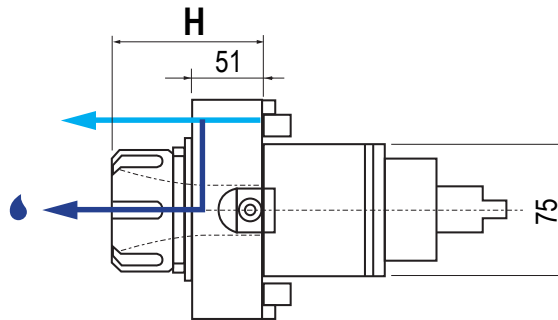
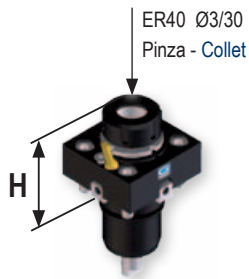
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	I3	I4	Nm	Rpm	p kw
99.DS.A64	ER-25	NO	142,5	63+67,5	42	25	6.000	4
99.DS.A65 	ER-25	70bar	142,5	63+67,5	42	25	6.000	4

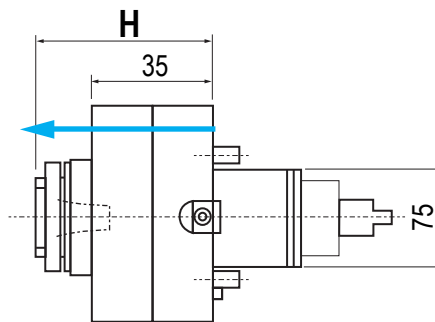
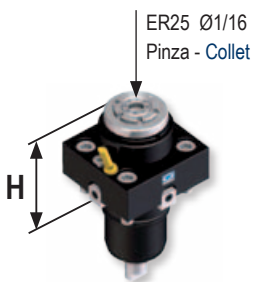


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.DS.A34	ER-40	NO	84+89,5	100	4.000	12
99.DS.A35	ER-40	70bar	84+89,5	100	4.000	12



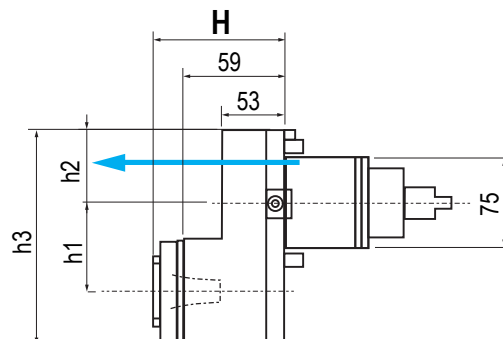
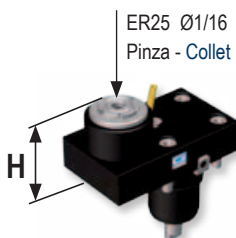
Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:4$

Codice - code code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.DS.A36	ER-25	NO	67	8	24.000	4



Moltiplicati (1:2)
Speeders (1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

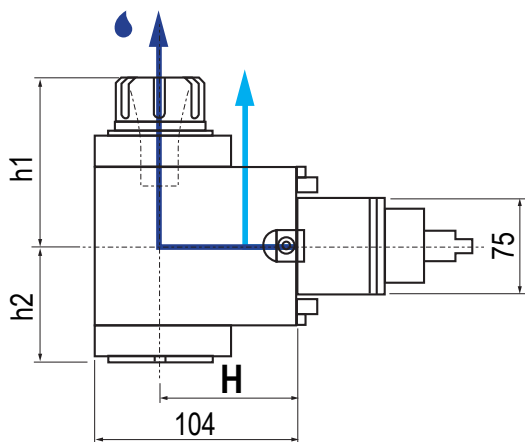
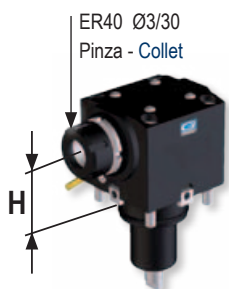
Disassato
Offset axis
Décalage axial
Achsversatz

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:2$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	h3	Nm	Rpm	p kw
99.DS.A37	ER-25	NO	100,5+105	45	56	131	35	12.000	8



Radiale
Radial
Radial
Radial

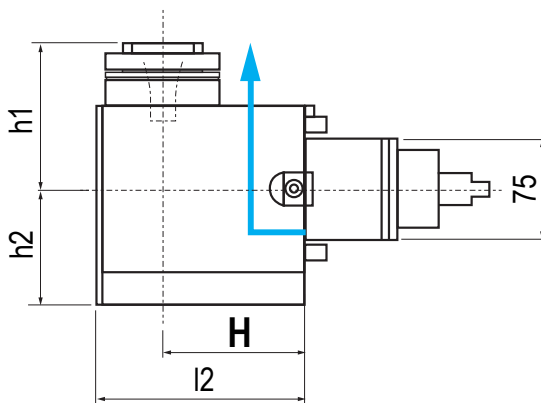
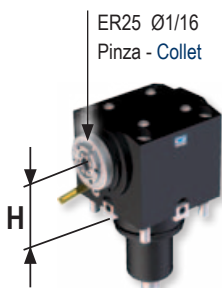
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A38	ER-40	NO	60	107±111	74	100	4.000	12
99.DS.A39	ER-40	70bar	60	107±111	74	100	4.000	12

Moltiplicati (1:4 - 1:2)
Speeders (1:4 - 1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Radiale
Radial
Radial
Radial

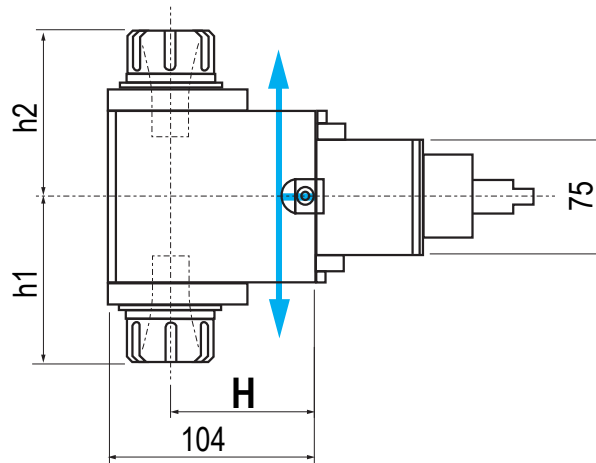
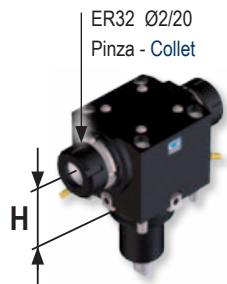
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

$\tau = 1:2$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	l2	h1	h2	Nm	Rpm	τ	p kw
99.DS.A40	ER-25	NO	60	104	77	74	8	24.000	1:4	4
99.DS.A43	ER-25	NO	60	95	93,5±98	67	35	12.000	1:2	8



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

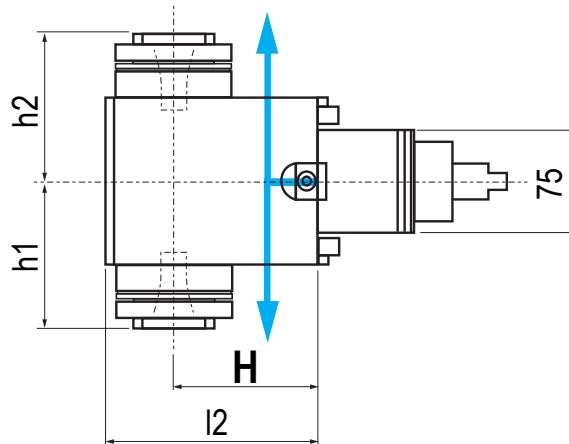
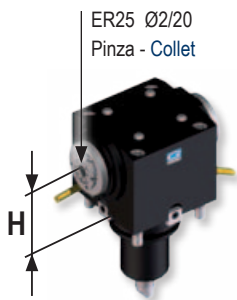


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	h2	Nm	Rpm	p kw
99.DS.A44	ER-40	NO	60	107+111	107+111	100	4.000	12

Moltiplicati (1:4 - 1:2)
Speeders (1:4 - 1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

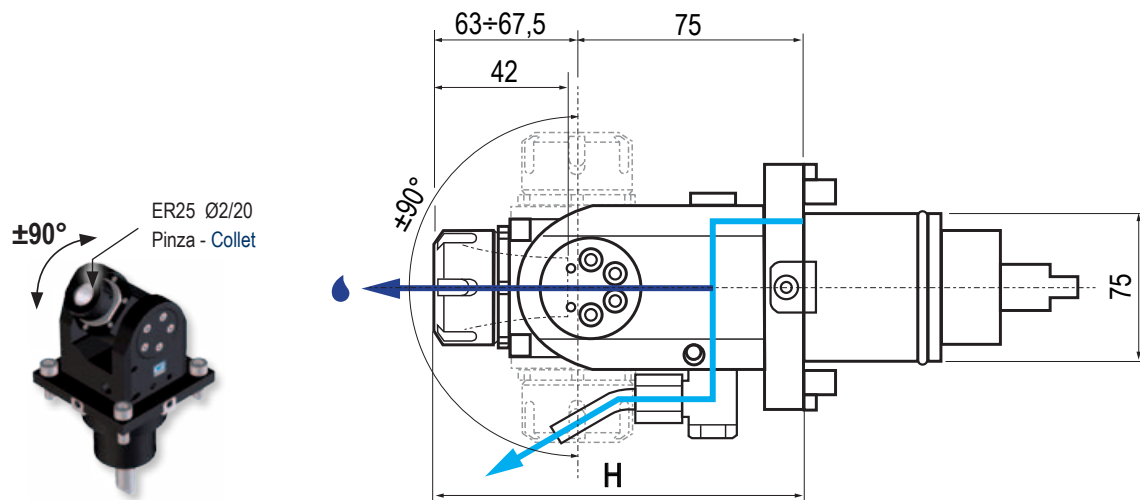


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

$\tau = 1:2$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	l2	h1	h2	Nm	Rpm	Ratio τ	p kw
99.DS.A45	ER-25	NO	60	104	77	77	8	24.000	1:4	4
99.DS.A46	ER-25	NO	60	95	93,5+98	93,5+98	35	12.000	1:2	8




Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

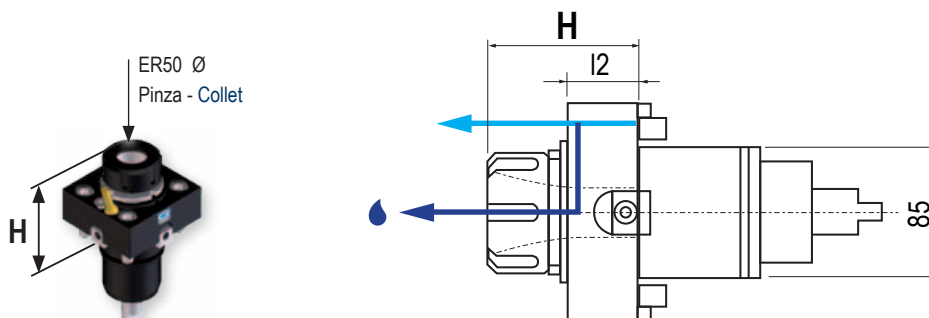
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	h1	Nm	Rpm	p kw
99.DS.A47	ER-25	NO	142,5	-	25	6.000	4
99.DS.A48 	ER-25	70bar	142,5	-	25	6.000	4

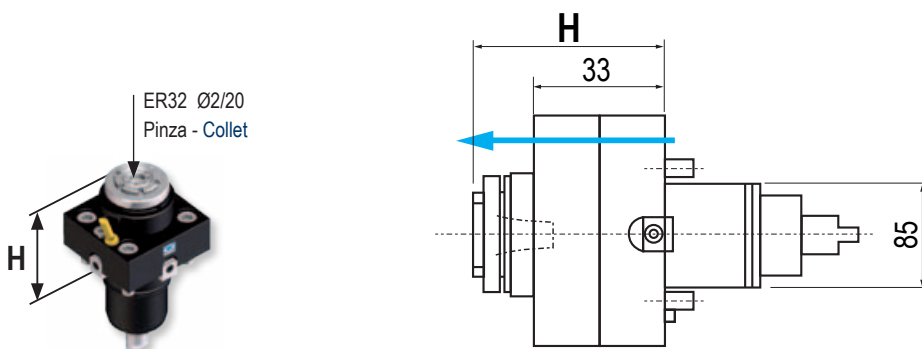


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	I2	Nm	Rpm	p kw
99.DS.A50	ER-50	70bar	110+118	57	160	3.200	15



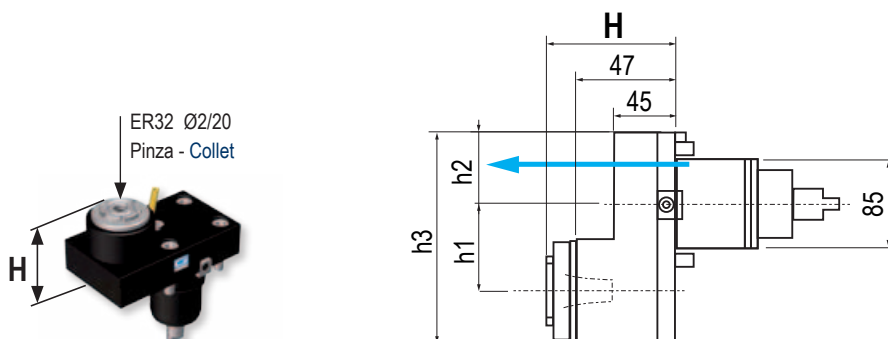
Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:4$

Moltiplicati (1:4)
Speeders (1:4)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - code code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.DS.A53	ER-32	NO	85	25	12.000	6



Disassato
Offset axis
Dècalage axial
Achsversatz

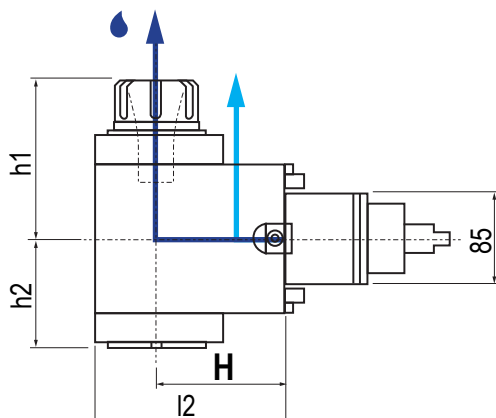
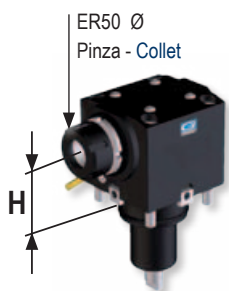
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:2$

Moltiplicati (1:2)
Speeders (1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	h2	h3	Nm	Rpm	p kw
99.DS.A54	ER-32	NO	100,5+110	60	62,5	158	75	6.000	12



Radiale
Radial
Radial
Radial

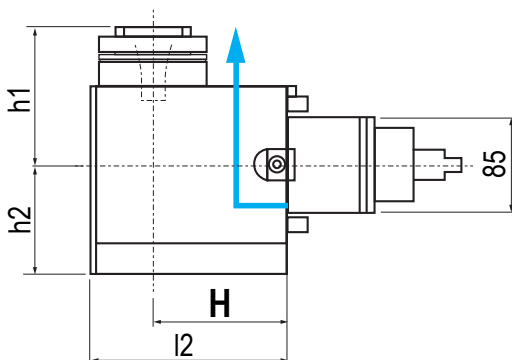
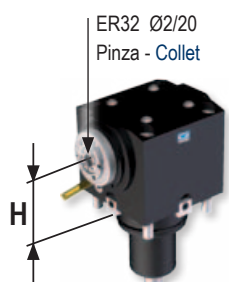
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	I2	h1	h2	Nm	Rpm	p kw
99.DS.A56	ER-50	70bar	85	137	147+140	91,6	160	3.200	15
99.DS.A57	ER-50	70bar	110	161,5	147+140	91,6	160	3.200	15

Moltiplicati (1:4 - 1:2)
Speeders (1:4 - 1:2)
Multipliés
Angetriebenes Werkzeug
mit erhöhter Drehzahl



Radiale
Radial
Radial
Radial

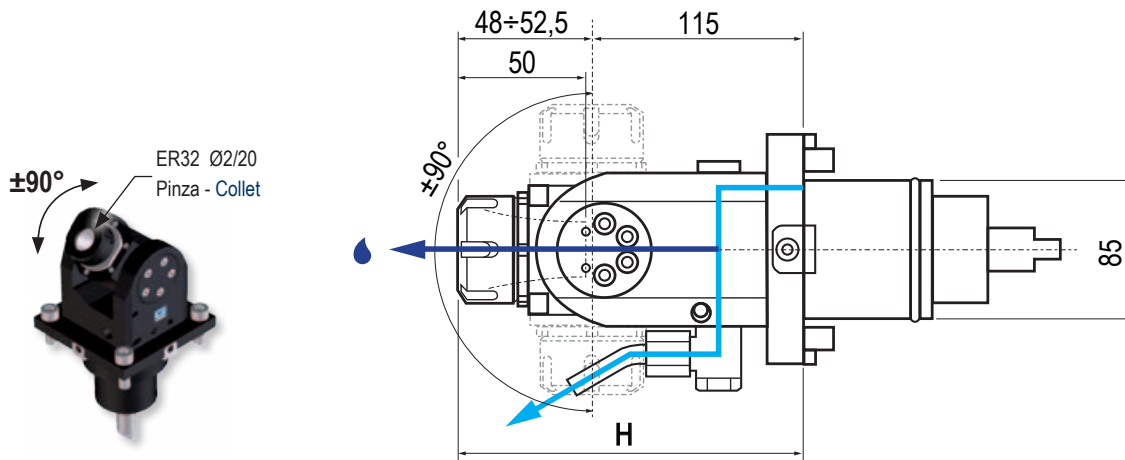
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:4$

$\tau = 1:2$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	I2	h1	h2	Nm	Rpm	Ratio τ	p kw
99.DS.A58	ER-32	NO	85	137	127	83	25	12.000	1:4	6
99.DS.A59	ER-32	NO	85	124	127,5+132	63	75	6.000	1:2	12




Orientabile
Adjustable angle
Angle réglable
Winkleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	Nm	Rpm	p kw
99.DS.A60	ER-32	NO	167,5	50	4.000	6
99.DS.A61 	ER-32	70bar	167,5	50	4.000	6



NOVITÀ-NEWS!!

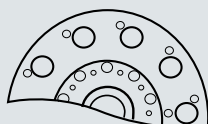
Motorizzati modulari - Modular Driven tools



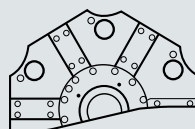
Presca di moto intercambiabile per le varie tipologie di torrette HAAS
Interchangeable couplings for the different HAAS turret

Pag. 5.50 - Page 5.50

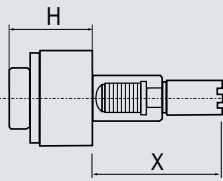
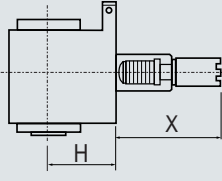
TORRETTA STANDARD VDI 40 TURRET



TORRETTA IBRIDA - HYBRID TURRET



TORRETTA HAAS TURRET

	mm	SL20/30	SL40 - ST20/30	SL20/30-TL15/25	SL40	SL20/30	SL40
 Assiale - Axial	X	104.85	117.55	117.55	130.25	117.55	130.25
	H				75 mm		
	Cod.	99.HA.590083	99.HA.590082	99.HA.590082	99.HA.596352	99.HA.590082	99.HA.596352
 Radiale - Radial	X	104.85	117.55	117.55	130.25	117.55	130.25
	H				75 mm		
	Cod.	99.HA.590085	99.HA.590084	99.HA.590084	99.HA.596353	99.HA.590084	99.HA.596353

A

B

C

D

E

F



ATTENZIONE - ATTENTION

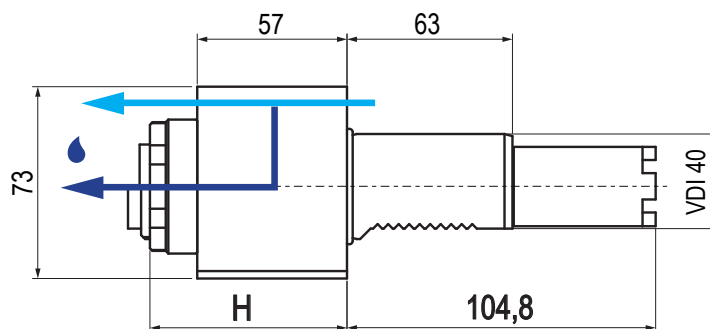
Per la torretta Haas è necessario un adattatore per conversione G.371.15859.000
Haas turret requires adapter plates G.371.15859.000

TORRETTA STANDARD VDI 40 TURRET SL20/30

A



ER32 Ø2/20
Pinza - Collet



Assiale

Axial
Axial
Axial

Portapinza

Collet chuck
Pince de serrage
Spannzangeaufnahme



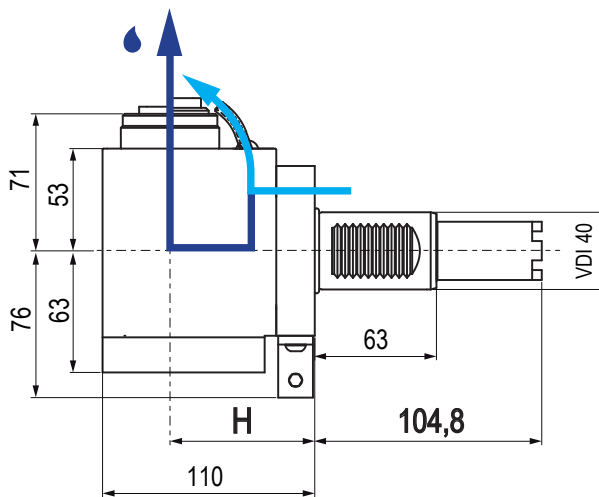
Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - code code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	ρ kw
99.HA.590083	ER-32	NO	75	104,8	60	5000	10
99.HA.590083B	ER-32	70bar	75	104,8	60	5000	10



ER32 Ø2/20
Pinza - Collet



Radiale

Radial
Radial
Radial

Portapinza

Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

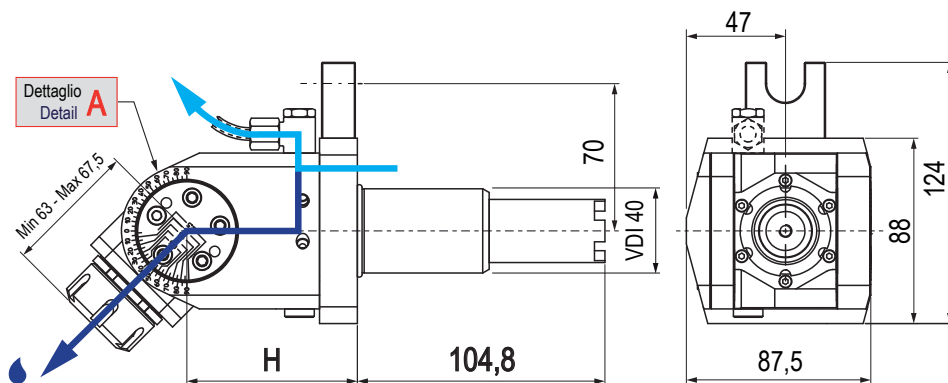
Codice - code code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	ρ kw
99.HA.590085	ER-32	NO	75	104,8	60	5000	10
99.HA.590085B	ER-32	70bar	75	104,8	60	5000	10

TORRETTA STANDARD VDI 40 TURRET SL20/30

A



ER25 Ø1/16
Pinza - Collet



Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

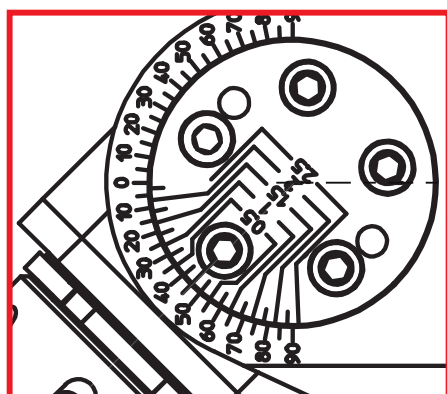
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	p kw
99.HA.00U1	ER-25	NO	81	104,8	25	5000	10
99.HA.00U1B	ER-25	70bar	81	104,8	25	5000	10



Dettaglio
Detail **A**

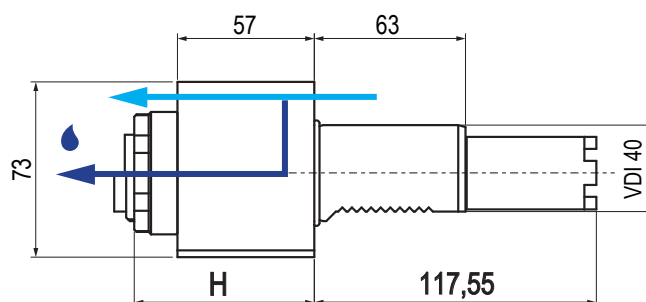
Regolazione angolare decimale in manuale
Manual decimal angular adjustment

TORRETTA STANDARD VDI40 TURRET SL40-ST20/30
TORRETTA IBRIDA - HYBRID TURRET SL20/30-TL15/25
TORRETTA HAAS TURRET SL20/30

B
C
E



ER32 Ø2/20
 Pinza - Collet



Assiale

Axial
 Axial
 Axial

Portapinza

Collet chuck
 Pince de serrage
 Spannzangeaufnahme



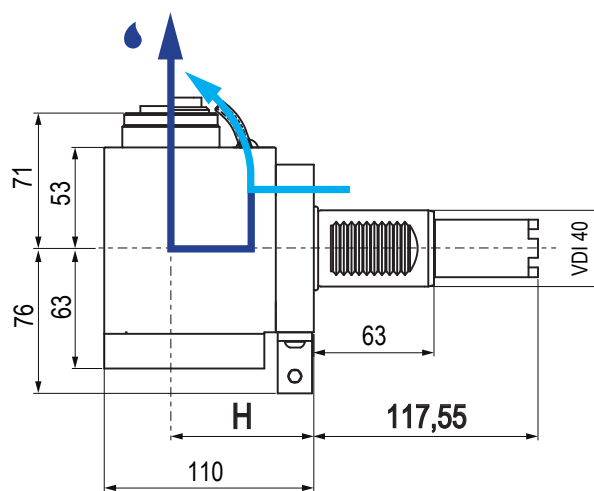
Senso di rotazione uguale al mandrino
 Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - code code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	ρ kw
99.HA.590082	ER-32	NO	75	117,55	60	5000	10
99.HA.590082B	ER-32	70bar	75	117,55	60	5000	10



ER32 Ø2/20
 Pinza - Collet



Radiale

Radial
 Radial
 Radial

Portapinza

Collet chuck
 Pince de serrage
 Spannzangeaufnahme



Senso di rotazione uguale al mandrino
 Direction of rotation same as machine spindle

$\tau = 1:1$

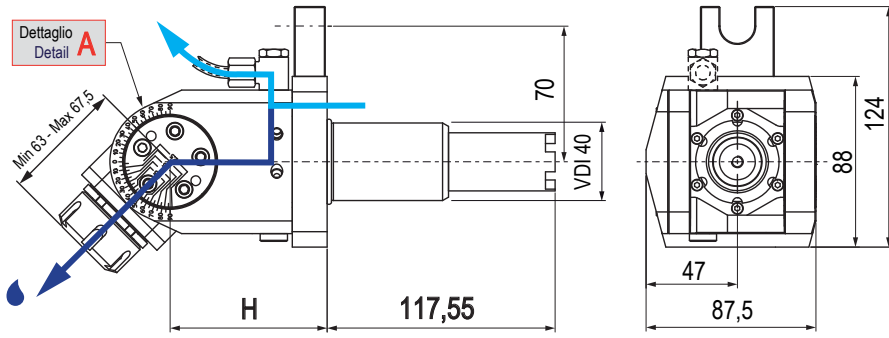
Codice - code code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	ρ kw
99.HA.590084	ER-32	NO	75	117,55	60	5000	10
99.HA.590084B	ER-32	70bar	75	117,55	60	5000	10

TORRETTA STANDARD VDI40 TURRET SL40-ST20/30
TORRETTA IBRIDA - HYBRID TURRET SL20/30-TL15/25
TORRETTA HAAS TURRET SL20/30

B
C
E



ER25 Ø1/16
 Pinza - Collet



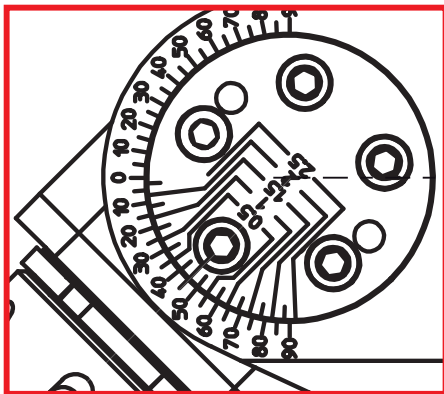
Orientabile
 Adjustable angle
 Angle réglable
 Winkeleinstellbar

Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

Senso di rotazione uguale al mandrino
 Direction of rotation same as machine spindle

τ = 1:1

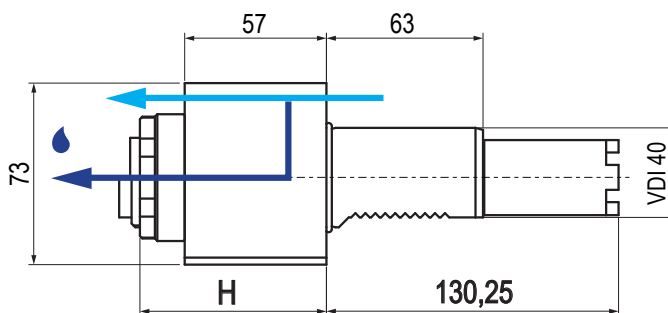
Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	p kw
99.HA.00U2	ER-25	NO	81	117,55	25	5000	10
99.HA.00U2B	ER-25	70bar	81	117,55	25	5000	10



Dettaglio
Detail **A**

Regolazione angolare decimale in manuale
 Manual decimal angular adjustment

TORRETTA IBRIDA - HYBRID TURRET SL40 **D**
TORRETTA HAAS TURRET SL40 **F**



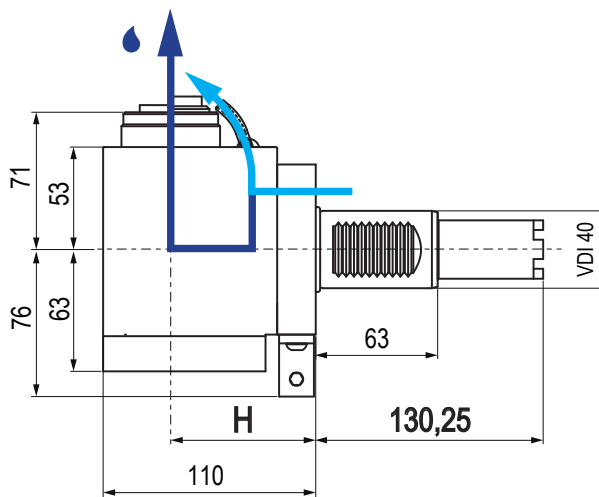
Assiale
 Axial
 Axial
 Axial

Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

Senso di rotazione uguale al mandrino
 Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - code code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	p kw
99.HA.596352	ER-32	NO	75	130,25	60	5000	10
99.HA.596352B	ER-32	70bar	75	130,25	60	5000	10



Radiale
 Radial
 Radial
 Radial

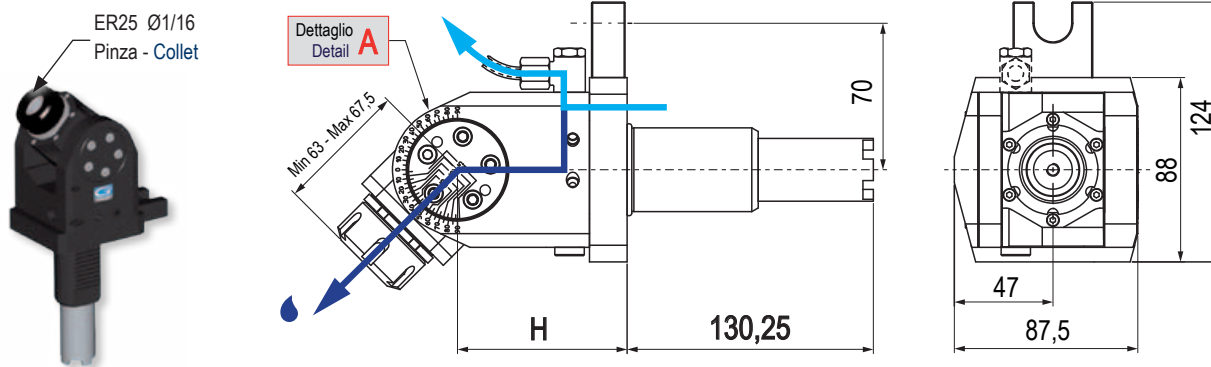
Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

Senso di rotazione uguale al mandrino
 Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - code code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	p kw
99.HA.596353	ER-32	NO	75	130,25	60	5000	10
99.HA.596353B	ER-32	70bar	75	130,25	60	5000	10

TORRETTA IBRIDA - HYBRID TURRET SL40 D
TORRETTA HAAS TURRET SL40 F



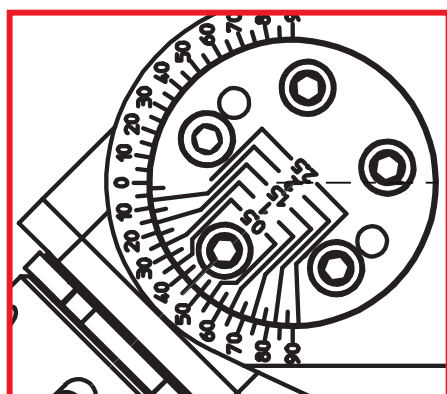
Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	h1	Nm	Rpm	p kw
99.HA.00U3	ER-25	NO	81	130,25	60	5000	10
99.HA.00U3B	ER-25	70bar	81	130,25	60	5000	10



Dettaglio
Detail A

Regolazione angolare decimale in manuale
Manual decimal angular adjustment



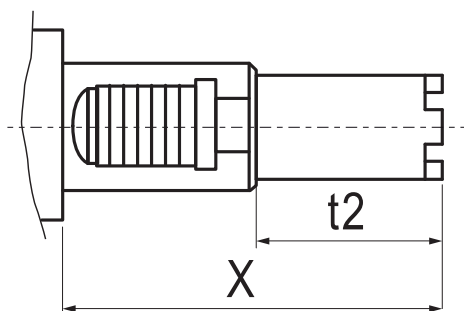
Adattatore per conversione da
torretta VDI 40 a torretta Haas
Haas adapter plate converts VDI 40
turret to Haas turret

Codice - code
code - Bestell Nr.

G.371.15859.000

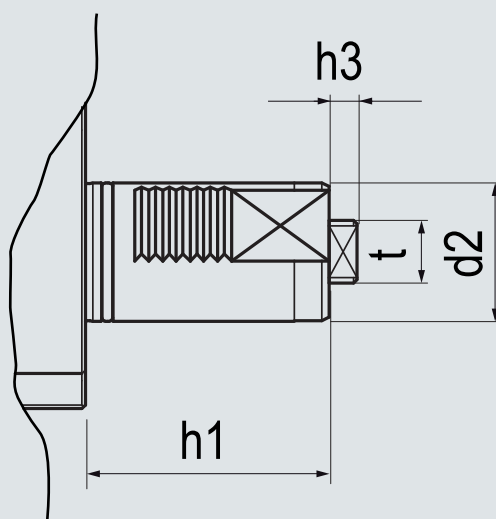
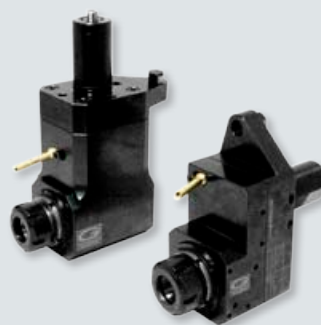
NOVITÀ-NEWS!!

Presi di moto intercambiabile per le varie tipologie di torrette HAAS
Interchangeable couplings for the different HAAS turret



Prese di moto
Coupling
Kupplung
Accouplement

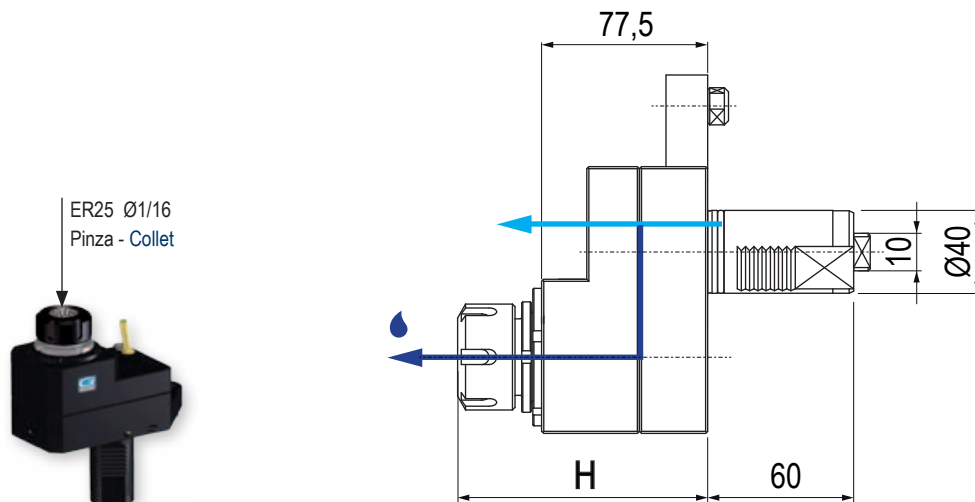
Codice - code code - Bestell Nr.	t2	X
99.HA.00001	41,8	104,85
99.HA.00002	54,55	117,55
99.HA.00003	67	130,25



Type	d2	h1	h3	t
QTN1	40	60	1	10
QTN2	40	70	8	18
QTN3	50	75	10	12

QUICK TURN NEXUS QTN 100 - SUPER QUADREX TURN SQT 10 - 100/150
 QTN 200/250 - SUPER QUADREX TURN SQT 15/18 - 200/250

12 STATION TURRET
 16 STATION TURRET

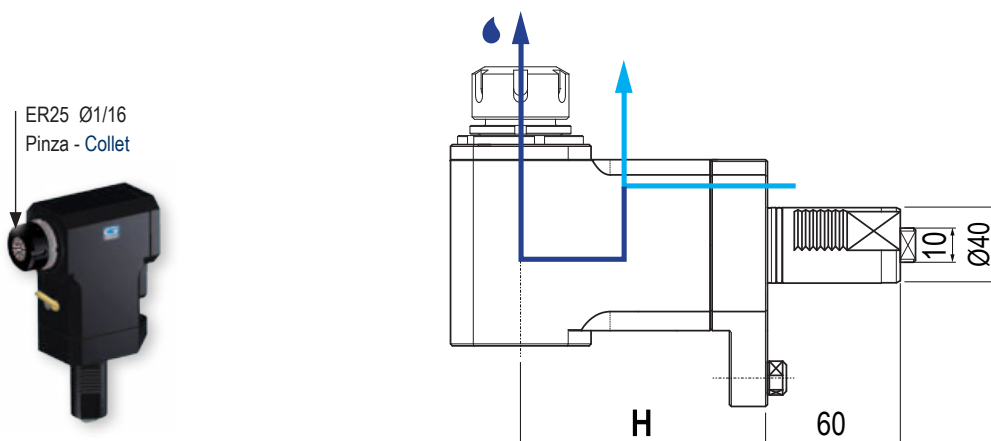


Disassato Offset axis Décalage axial Achsversatz	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	$\tau = 1:1$
--	---	---	--------------

Codice - code code - Bestell Nr.	OEM Ref	Output	Int Cool	H	Nm	Rpm
99.MZ.A40	-53548030200 -53108020100	ER-25	NO	109 ± 112,5	63	6000
99.MZ.A41	-	ER-25	70bar	109 ± 112,5	63	6000

GERARDI
MAZAK QTN 1

5



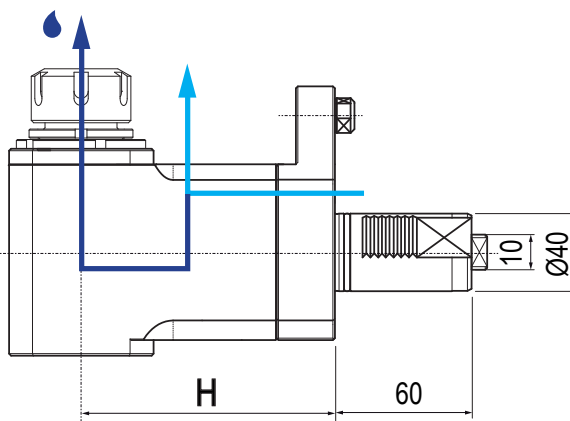
Radiale Radial Radial Radial	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	$\tau = 1:1$
--	---	---	--------------

Codice - code code - Bestell Nr.	OEM Ref	Output	Int Cool	H	Nm	Rpm
99.MZ.A46	-53248030303 -535280110102 -53108020200	ER-25	NO	92	63	6000
99.MZ.A47	-	ER-25	70bar	92	63	6000

QUICK TURN NEXUS QTN 100 - SUPER QUADREX TURN SQT 10 - 100/150
 QTN 200/250 - SUPER QUADREX TURN SQT 15/18 - 200/250

12 STATION TURRET
 16 STATION TURRET

ER25 Ø1/16
 Pinza - Collet



Radiale rovesciato
 Radial upside-down
 Radial renversé
 Radial überkopf

Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

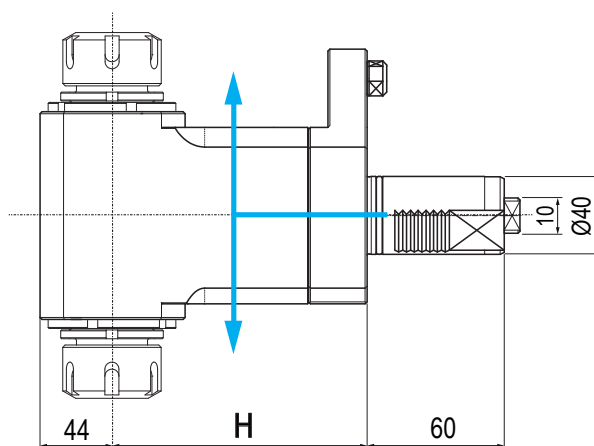


Senso di rotazione contrario al mandrino
 Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	OEM Ref	Output	Int Cool	H	Nm	Rpm
99.MZ.A48	-53548010301	ER-25	NO	92	63	6000
99.MZ.A49	-	ER-25	70bar	92	63	6000

ER25 Ø1/16
 Pinza - Collet



Doppio
 Double
 Double
 2 Fach

Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme



Senso di rotazione contrario al mandrino
 Direction of rotation opposite to machine spindle

$\tau = 1:1$

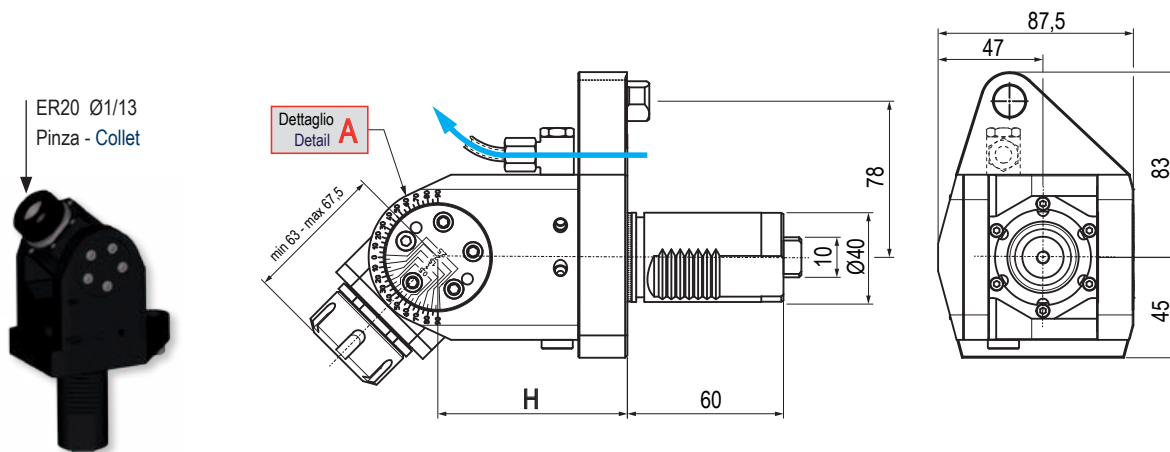
Codice - code code - Bestell Nr.	OEM Ref	Output	Int Cool	H	Nm	Rpm
99.MZ.A55	-	ER-25	NO	92	63	6000

QUICK TURN NEXUS QTN 100 - SUPER QUADREX TURN SQT 10 - 100/150

12 STATION TURRET

QTN 200/250 - SUPER QUADREX TURN SQT 15/18 - 200/250

16 STATION TURRET



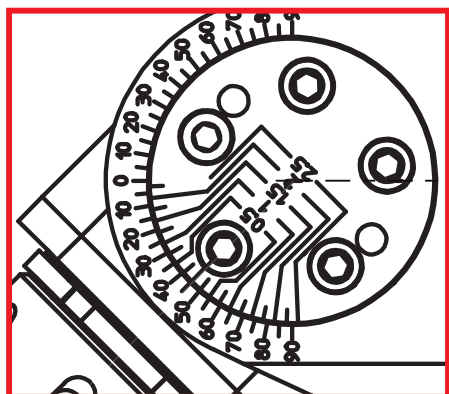
Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

τ = 1:1

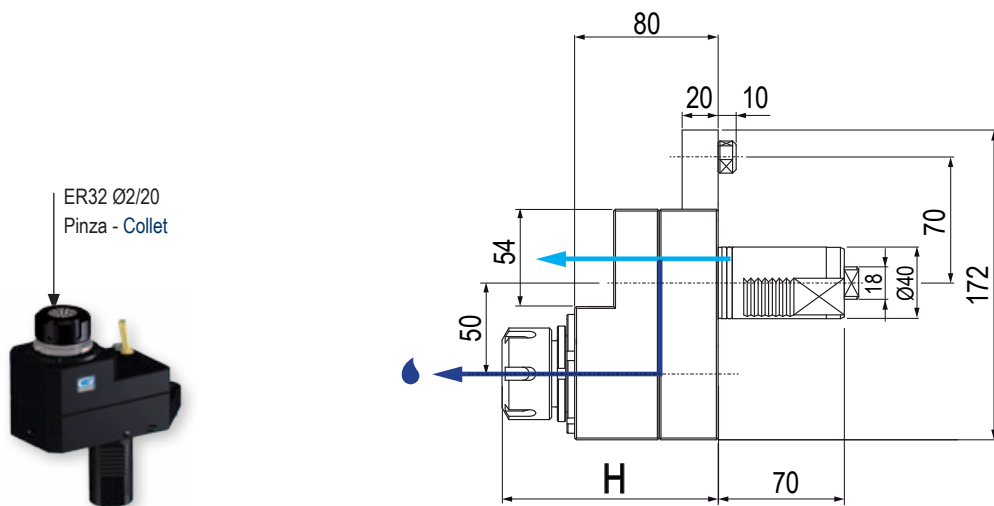
Codice - code code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	Nm	Rpm
99.MZ.A56	-	ER-20	NO	85	63	6000



Dettaglio
Detail **A**

Regolazione angolare decimale in manuale
Manual decimal angular adjustment

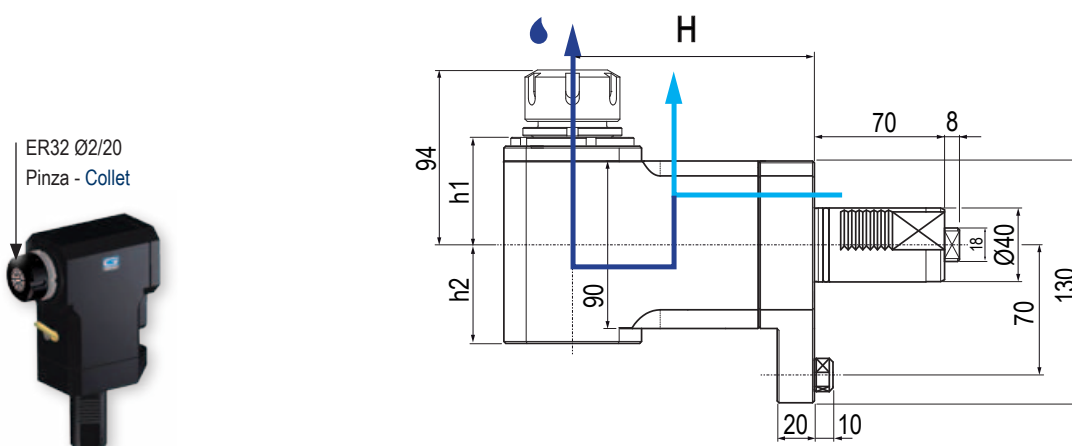
QUICK TURN NEXUS QTN 200/250 - SUPER QUADREX TURN SQT 15/18 - 200/250



ER32 Ø2/20
Pinza - Collet

Disassato Offset axis Décalage axial Achsversatz	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	$\tau = 1:1$
--	---	---	--------------

Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	Nm	Rpm
99.MZ.A58	-53208020102	ER32	NO	50	80	6000
99.MZ.A59	-	ER32	70bar	50	80	6000

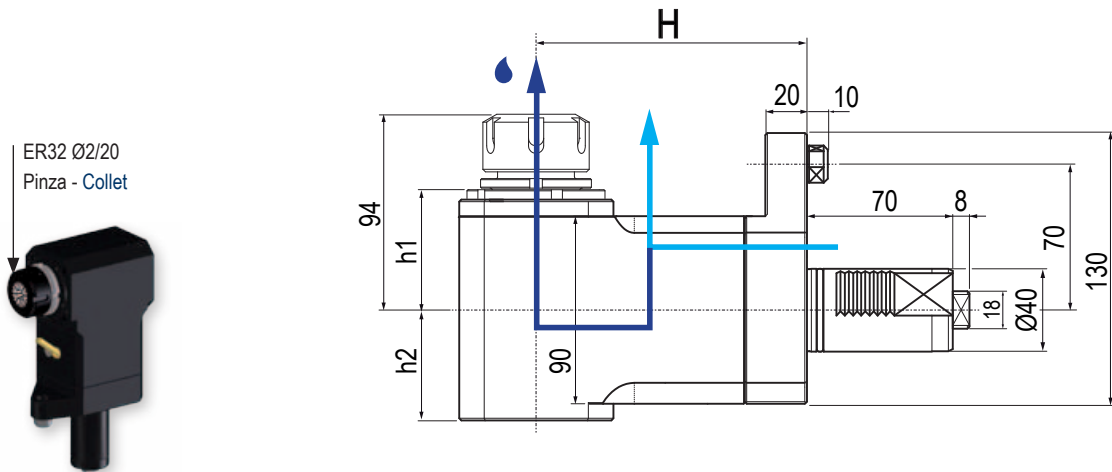


ER32 Ø2/20
Pinza - Collet

Radiale Radial Radial Radial	Portapinza Collet chuck Pince de serrage Spannzangeaufnahme	Senso di rotazione contrario al mandrino Direction of rotation opposite to machine spindle	$\tau = 1:1$
--	---	---	--------------

Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	h1	h2	Nm	Rpm
99.MZ.A65	-53628010701 -53208020202	ER32	NO	130	57	53	80	6000
99.MZ.A66	-	ER32	70bar	130	57	67	80	6000

QUICK TURN NEXUS QTN 200/250 - SUPER QUADREX TURN SQT 15/18 - 200/250



Radiale rovesciato
Radial upside-down
Radial renversé
Radial überkopf

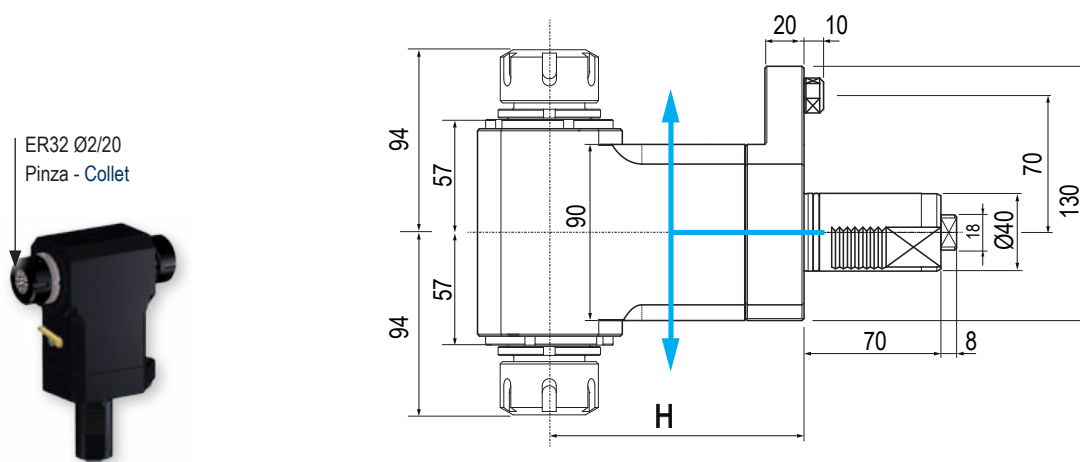
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	h1	h2	Nm	Rpm
99.MZ.A67	-	ER-32	NO	130	38	53	80	6000
99.MZ.A68	-	ER-32	70bar	130	38	67	80	6000



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

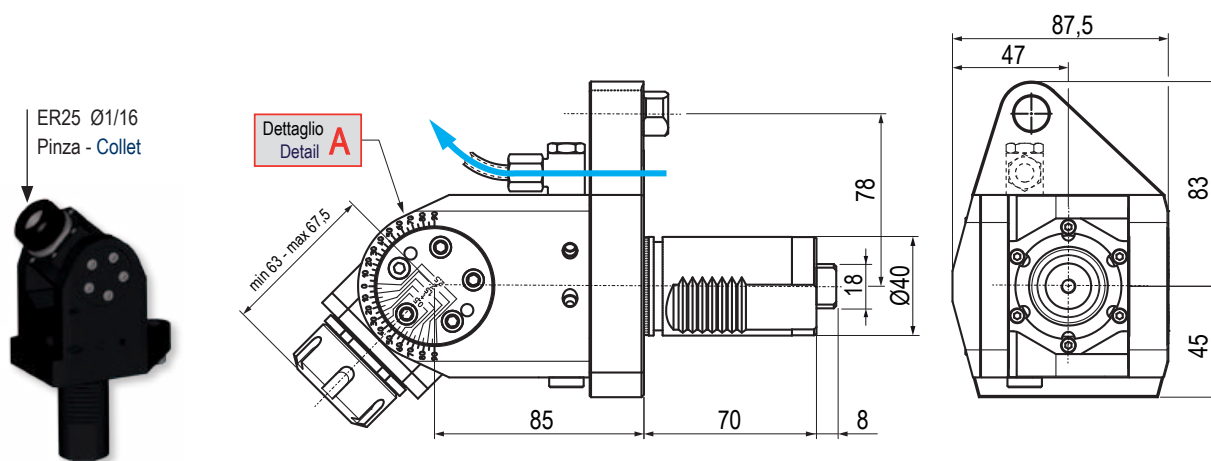


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - code code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	Nm	Rpm
99.MZ.A73	-53208011600 -53628011000	ER-32	NO	130	80	6000

QUICK TURN NEXUS QTN 200/250 - SUPER QUADREX TURN SQT 15/18 - 200/250



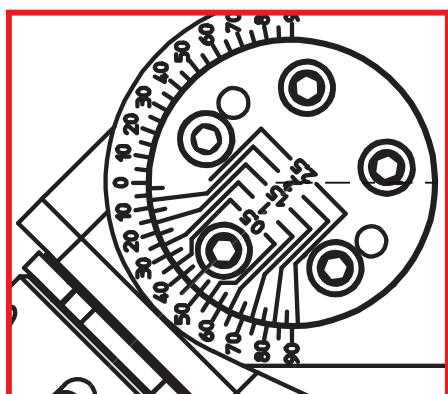
Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

 Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

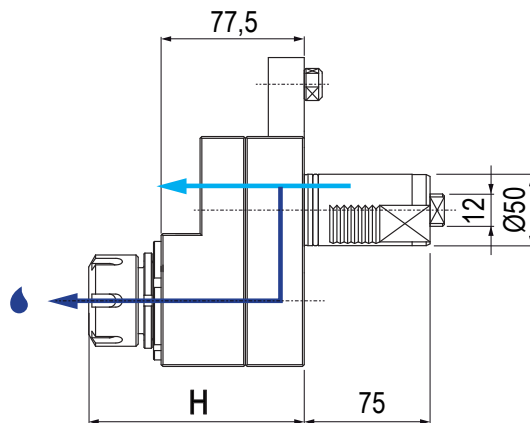
Codice - code code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	h1	h2	Nm	Rpm
99.MZ.A74	-	ER-25	NO	88	68,5	68,5	80	6000



Dettaglio
Detail **A**

Regolazione angolare decimale in manuale
Manual decimal angular adjustment

QUICK TURN NEXUS QTN 300/350/400/450 - SUPER QUADREX TURN SQT 28/30 - 300



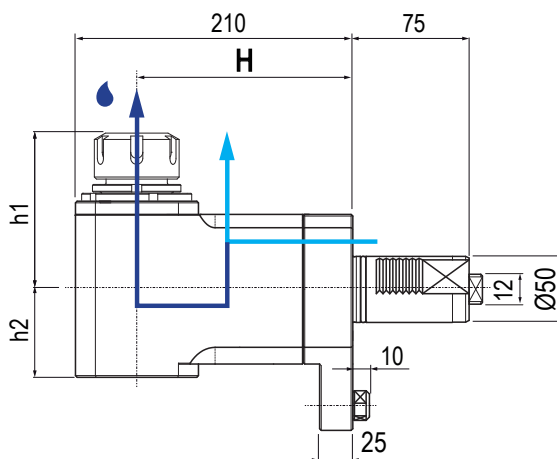
Disassato
Offset axis
Décalage axial
Achsversatz

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

τ = 1:1

Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	Nm	Rpm
99.MZ.A71	-	ER-40	NO	-	100	4000
99.MZ.A72	-	ER-40	70bar	-	100	4000
99.MZ.A76	-53308020604 -53828002002	ISO-40	NO	92,5	100	4000
99.MZ.A79	-	ISO-40	70bar	125	100	4000



Radiale
Radial
Radial
Radial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

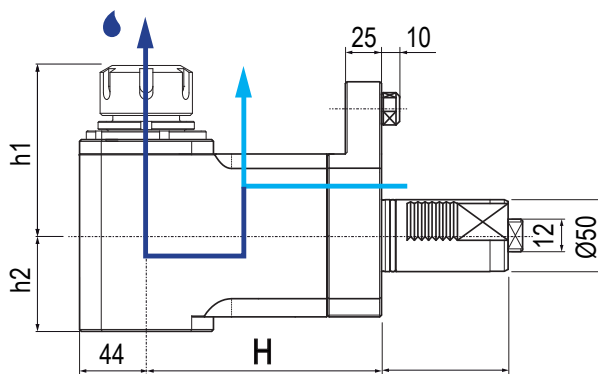
Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

τ = 1:1

Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	h1	h2	Nm	Rpm
99.MZ.A75	-	ER-40	NO	160	-	86	100	4000
99.MZ.A81	-	ER-40	70bar	160	-	115	100	4000
99.MZ.A77	-53308020101	ISO-40	NO	160	73	86	100	4000
99.MZ.A78	-	ISO-40	70bar	160	73	115	100	4000

QUICK TURN NEXUS QTN 300/350/400/450 - SUPER QUADREX TURN SQT 28/30 - 300

ER40 Ø3/30
Pinza - Collet



Radiale rovesciato
Radial upside-down
Radial renversé
Radial überkopf

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

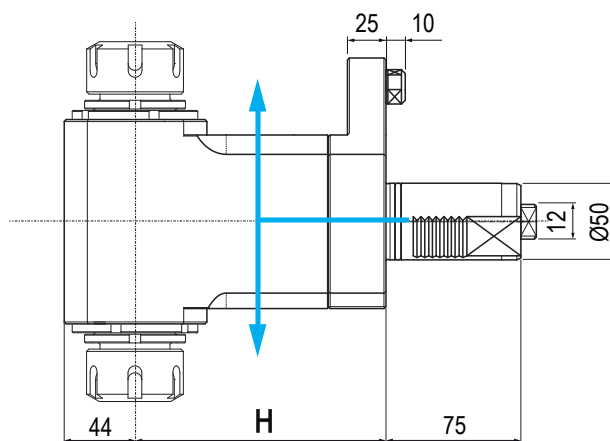


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	Nm	Rpm
99.MZ.A82	-	ER-40	NO	160	100	4000
99.MZ.A83	-	ER-40	70bar	160	100	4000

ER40 Ø3/30
Pinza - Collet



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

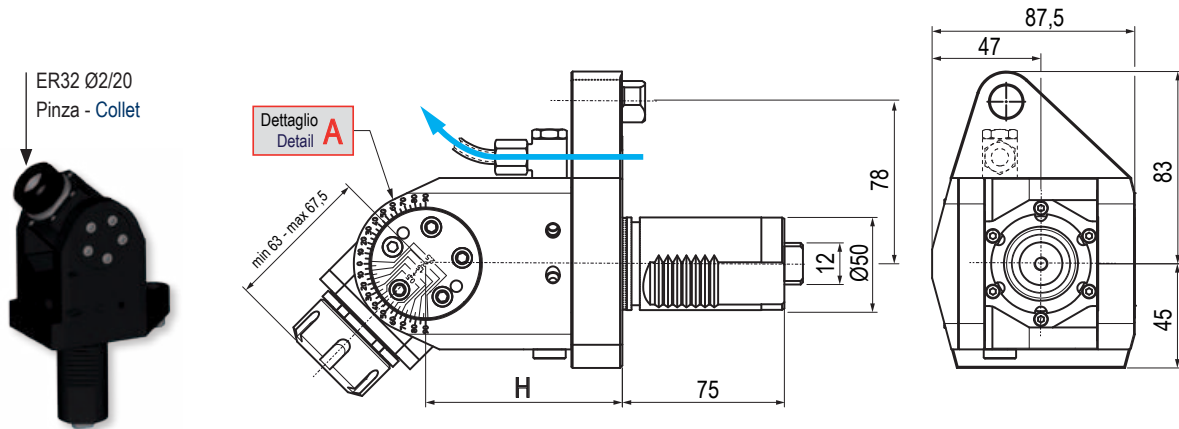


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	Nm	Rpm
99.MZ.A84	-	ER-40	NO	160	100	4000

QUICK TURN NEXUS QTN 300/350/400/450 - SUPER QUADREX TURN SQT 28/30 - 300



Orientabile
Adjustable angle
Angle réglable
Winkeleinstellbar

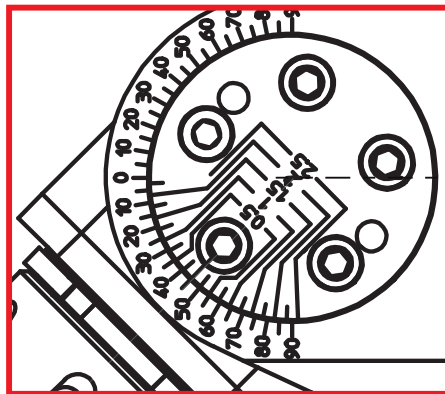
Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

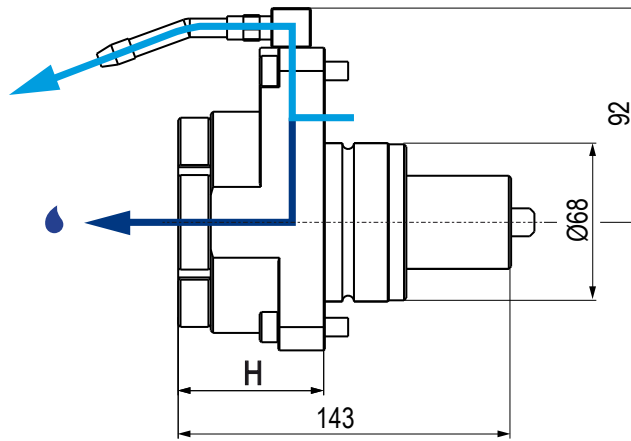
Codice - Code Code - Bestell Nr.	OEM Ref.	Output	Int Cool	H	Nm	Rpm
99.MZ.A80	-	ER-32	NO	85	100	4000



Dettaglio
Detail **A**

Regolazione angolare decimale in manuale
Manual decimal angular adjustment


QUICK TURN SMART QTS 100M / 200M

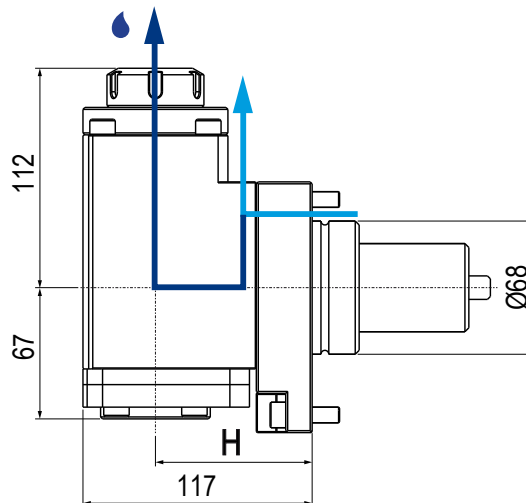


Assiale
Axial
Axial
Axial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

$\tau = 1:1$

Code - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm
99.MZ.A03	ER32	NO	63	80	6000
99.MZ.A06 	ER32	70bar	63	80	6000




Radiale
Radial
Radial
Radial

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

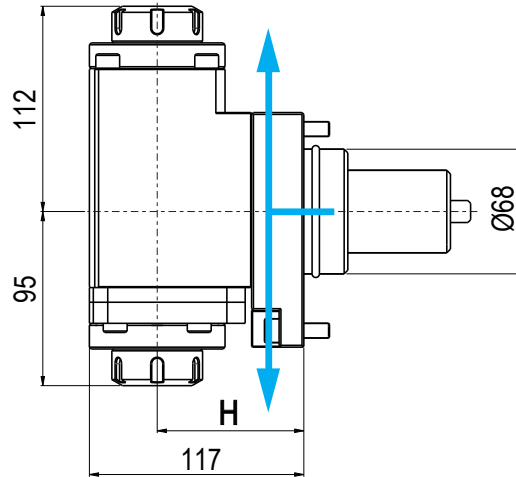


Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Code - Code Code - Bestell Nr.	Output	Int Cool.	H	Nm	Rpm
99.MZ.A09	ER32	NO	80	70	6000
99.MZ.A10 	ER32	70bar	80	70	6000

QUICK TURN SMART QTS 100M / 200M



Doppio
Double
Double
2 Fach

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



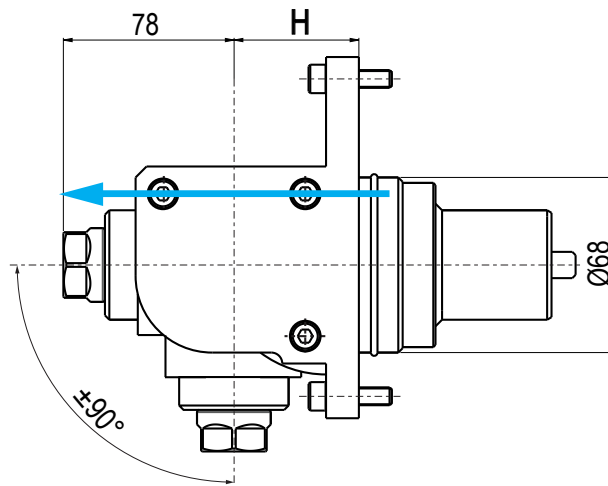
Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - code code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm
99.MZ.A13	ER32	NO	80	70	6000

GERARDI
MAZAK Smart QTS 1

5



Orientabile
Adjustable angle
Angle réglable
Winkelinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



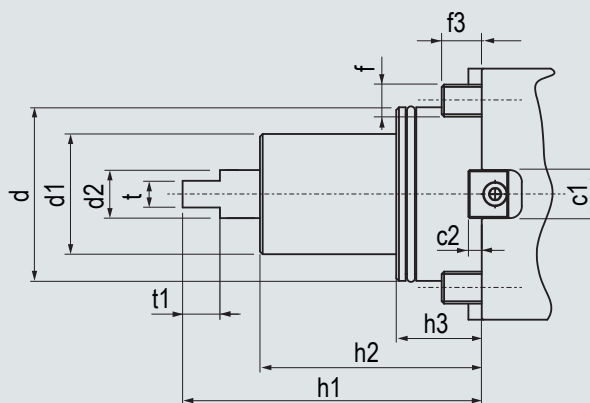
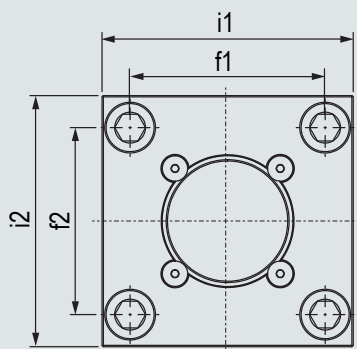
Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	Nm	Rpm
99.MZ.A14	ER25	NO	57	80	6000

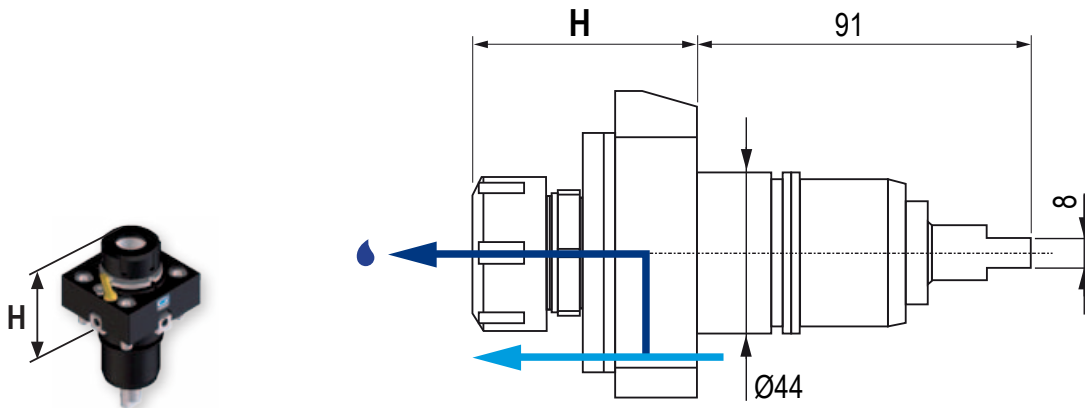
NAKAMURA

MOTORIZZATI - DRIVEN TOOLS



	c1	c2	d	d1	d2	f	f1	f2	f3	h1	h2	h3	i1	i2	t	t1
BMT44	20	5,5	44	40	15	M8	40	55	12-15	91	63	28	62	79,5	8	12
BMT55	20	5,5	55	50	17	M10	50	60	12-15	108	70	29,5	79	84	8	10

WT100 - NTY3

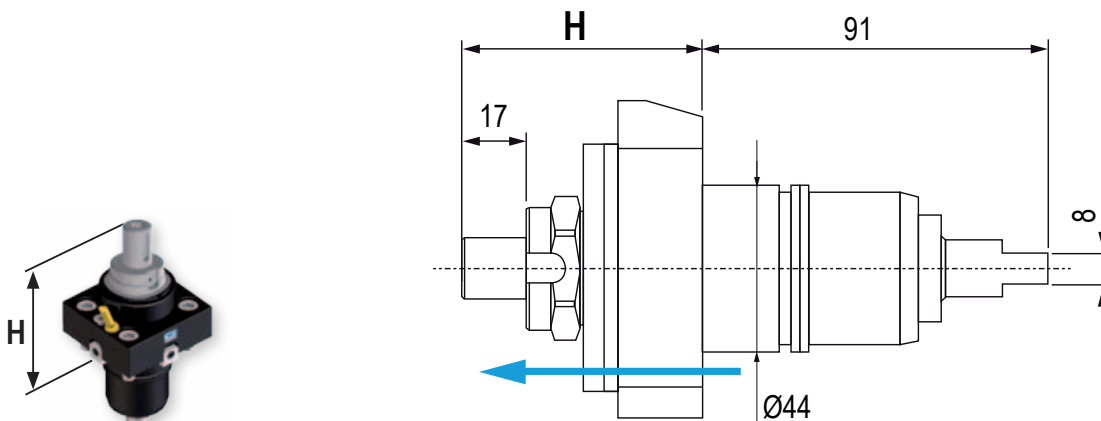


Assiale
 Axiale
 Axiale
 Axiale

Portapinza
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.NK.B40	ER-25	NO	61	-	6000	-
99.NK.B41	ER-20	NO	60,5	-	6000	-
99.NK.B42	ER-16	NO	58	-	6000	-
99.NK.B43	ER-25	√	61	-	6000	-
99.NK.B44	ER-20	√	60,5	-	6000	-
99.NK.B45	ER-16	√	58	-	6000	-



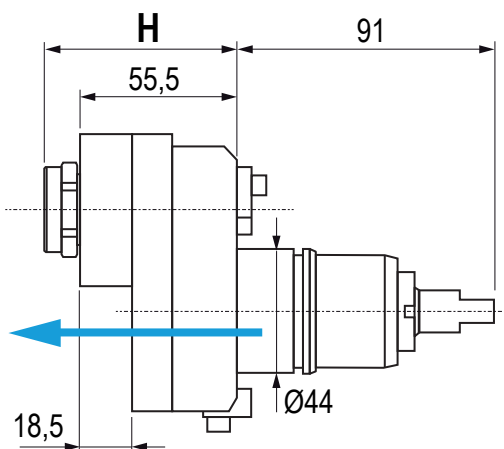
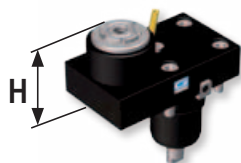
Assiale
 Axiale
 Axiale
 Axiale

Portafresa
 Shell end milling cutter
 Fraises enfichables
 Fräseraufnahme

$\tau = 1:1$

Codice - code code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.NK.B46	PF-16	NO	63	-	6000	-

WT100 - NTY3


Disassato

 Offset axis
 Décalage axial
 Achsversatz

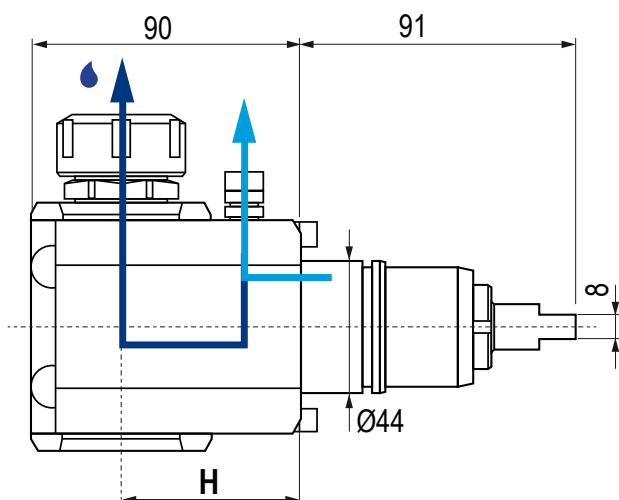
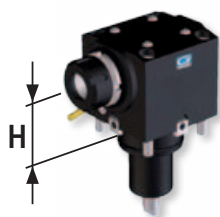
Portapinza

 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

 Senso di rotazione contrario al mandrino
 Direction of rotation opposite to machine spindle

 $\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	Nm	Rpm	p kw
99.NK.B49	ER-16	NO	68	-	12000	1.2


Radiale




 Radial
 Radial
 Radial

Portapinza

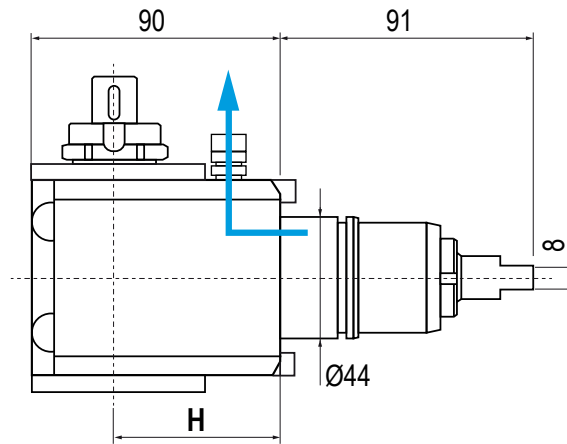
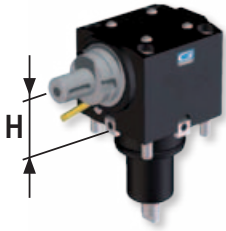
 Collet chuck
 Pince de serrage
 Spannzangeaufnahme

 Senso di rotazione contrario al mandrino
 Direction of rotation opposite to machine spindle

 $\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	Nm	Rpm	p kw
99.NK.B50	ER-25	NO	60	-	6000	-
99.NK.B51	ER-20	NO	60	-	6000	-
99.NK.B52	ER-16	NO	60	-	6000	-
99.NK.B53	 ER-25	√	60	-	6000	-
99.NK.B54	 ER-20	√	60	-	4000	-
99.NK.B55	 ER-16	√	60	-	6000	-

WT100 - NTY3



Radiale
Radial
Radial
Radial

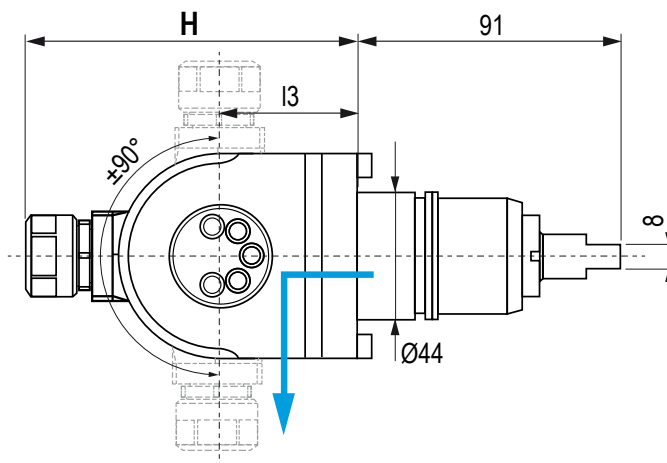
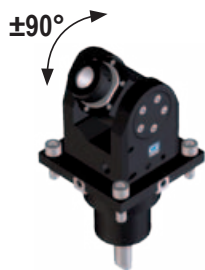
Portafresa
Shell end milling cutter
Fraises enfichables
Fräseraufnahme



Senso di rotazione contrario al mandrino
Direction of rotation opposite to machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.NK.B56	PF-16	NO	60	-	6000	-



Orientabile
Adjustable angle
Angle réglable
Winkleinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme

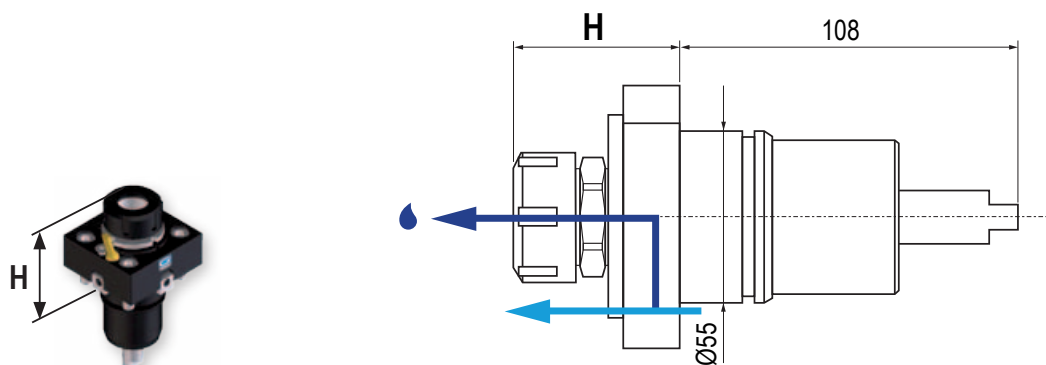


Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - code code - Bestell Nr.	Output	Int Cool	H	I3	Nm	Rpm	p kw
99.NK.B59	ER-16	NO	115	47	-	4000	-
99.NK.B60	ER-11	NO	101	47	-	6000	-
99.NK.B61	ER-16	NO	123	47	-	6000	-
99.NK.B62	ER-11	NO	109	55	-	6000	-

SUPER NTJ-NTJX / NTM 3 / TMC 18 / TW 10 / SC150-250 / WT150-250 /
WTW 150 / WTS 150



Assiale

Axial

Axial

Axial



Portapinza

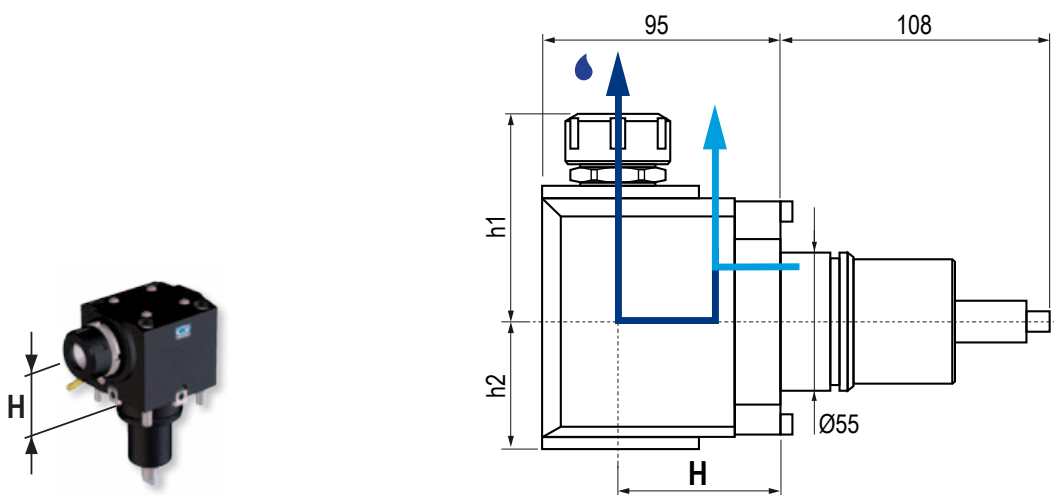
Collet chuck

Pince de serrage

Spannzangeaufnahme

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.NK.B01	ER-25	NO	53,5	-	6000	-
99.NK.B02	 ER-25	√	66	-	6000	-
99.NK.B03	ER-32	NO	64,5	-	6000	-
99.NK.B04	 ER-32	√	77	-	6000	-



Radiale

Radial

Radial

Radial

Portapinza

Collet chuck



Pince de serrage

Spannzangeaufnahme

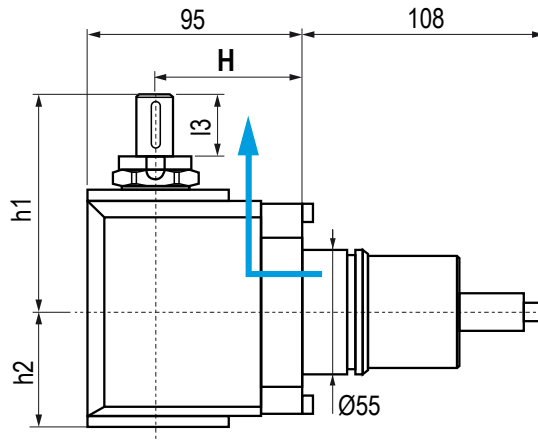
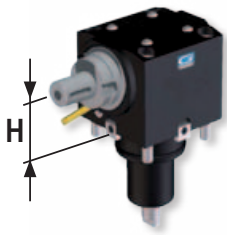


Senso di rotazione uguale al mandrino

Direction of rotation same as machine spindle

Codice - code code - Bestell Nr.	Output	Int Cool	H	h1	h2	Nm	Rpm	p kw
99.NK.B11	ER-25	NO	65	83	51	-	6000	-
99.NK.B12	 ER-25	√	65	83	63	-	6000	-
99.NK.B13	ER-32	NO	65	93	51	-	6000	-
99.NK.B14	 ER-32	√	65	93	63	-	6000	-
99.NK.B25	ER-25	NO	65	83	60	-	12.000	1:2
99.NK.B26	ER-25	NO	65	83	53	-	3.000	2:1

**SUPER NTJ-NTJX / NTM 3 / TMC 18 / TW 10 / SC150-250 / WT150-250 /
WTW 150 / WTS 150**



Radiale
Radial
Radial
Radial

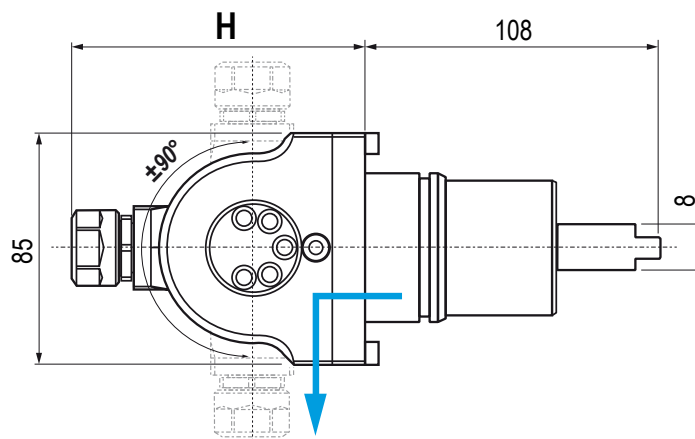
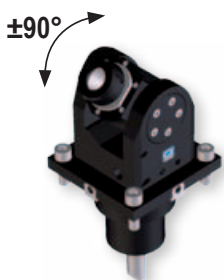
Portafresa
Shell end milling cutter
Fraises enfichables
Fräseraufnahme



Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool.	H	l3	h1	h2	Nm	Rpm	p kw
99.NK.B17	PF 16	NO	65	27	96	51,25	-	6000	-
99.NK.B19	PF 22	NO	65	31	101	51,25	-	6000	-
99.NK.B21	PF 27	NO	65	33	104	51,25	-	6000	-



Orientabile
Adjustable angle
Angle réglable
Winkelinstellbar

Portapinza
Collet chuck
Pince de serrage
Spannzangeaufnahme



Senso di rotazione uguale al mandrino
Direction of rotation same as machine spindle

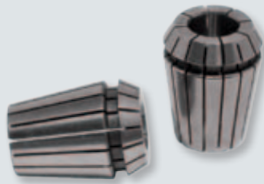
$\tau = 1:1$

Codice - Code Code - Bestell Nr.	Output	Int Cool	H	Nm	Rpm	p kw
99.NK.B22	ER-16	NO	108	-	4000	-
99.NK.B27	ER-11	NO	95	-	4000	-

5

CAPITOLO
CHAPTER

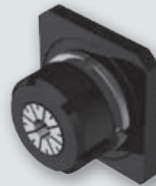
ACCESSORI MOTORIZZATI DRIVEN TOOLS ACCESSORIES



PINZA ER-DIN 6499
ER-DIN 6499 COLLET



PINZE TIPO ET1 (COMPENSATE)
COLLET ET1 TYPE (COMPENSATION)



ART.182



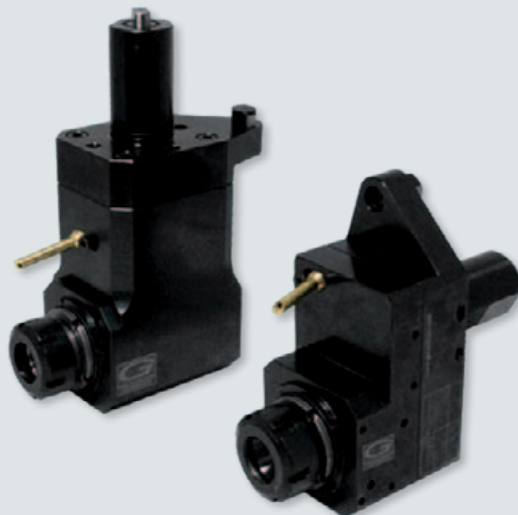
ART.182A



ART.182B



ART.182C



STD



EF



STD



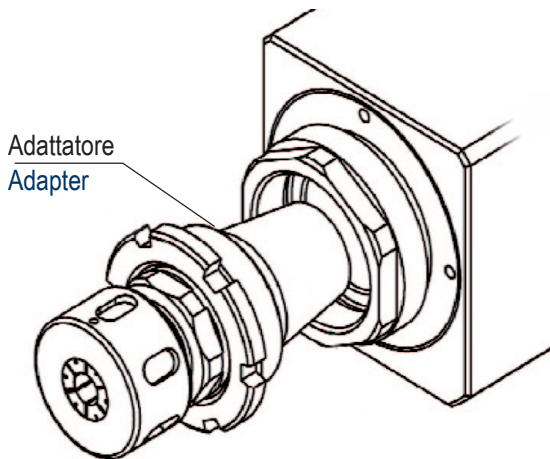
EF



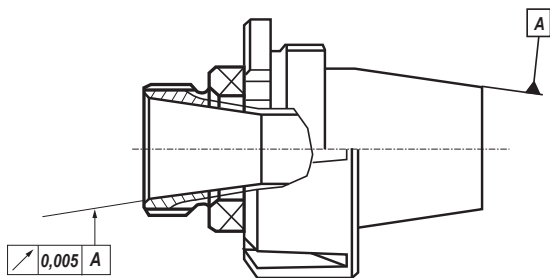
PF

CAMBIO RAPIDO - QUICK CHANGE

Per ghiera interna con filetto esterno - For internal nut with external thread

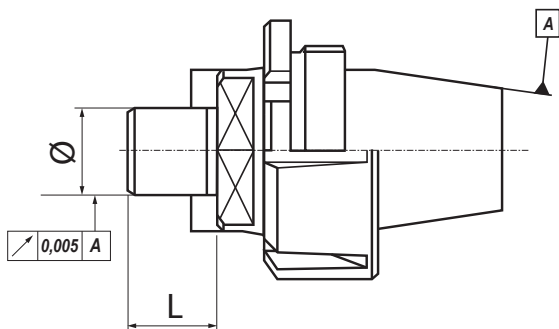


PRECISIONE E CONCENTRICITÀ ACCURACY AND CONCENTRICITY



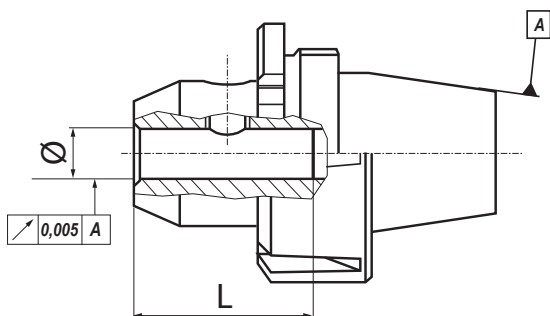
ER DIN 6499

- Portapinza
- Collet chuck
- Pince de serrage
- Spannzangenaufnahme



DIN 6358

- Portafresa
- Shell end mill cutter
- Fraises enchables
- Fräseraufnahme



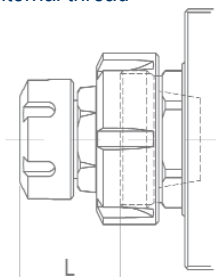
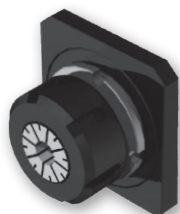
DIN 1835

- Mandrino di chiusura per codolo cilindrico
- Clamping chuck for round shaft dia
- Mandrin de serrage pour la queue cylindrique
- Spannfutter für Zylinderschäfte

CAMBIO RAPIDO - QUICK CHANGE

Per ghiera esterne con filetto interno - For external nut with internal thread

Art.182



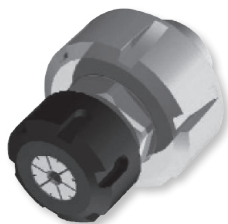
PREPARARE IL MOTORIZZATO:

- 1) Togliere pinza e ghiera di serraggio
- 2) Introdurre l'adattatore
- 3) Chiudere leggermente le viti di chiusura

SET THE DRIVEN TOOLS:

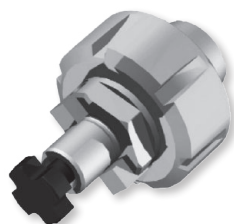
- 1) Remove collet and clamping nut.
- 2) Import adapter
- 3) Tighten clamping nut

Art.182A



Uscita Portautensile Toolholder output	L	ER DIN 6499	Cod.
ER20	31,0	ER16	9.CT.ER2016
	35,0	ER20	9.CT.ER2020
ER25	35,0	ER16	9.CT.ER2516
	36,0	ER20	9.CT.ER2520
ER32	39,0	ER25	9.CT.ER3225
	36,0	ER16	9.CT.ER3216
	37,5	ER20	9.CT.ER3220
	44,0	ER25	9.CT.ER3225
ER40	44,0	ER32	9.CT.ER3232
	34,0	ER16	9.CT.ER4016
	38,0	ER20	9.CT.ER4020
	39,5	ER25	9.CT.ER4025
	41,5	ER32	9.CT.ER4032
	43,5	ER40	9.CT.ER4040

Art.182B



Uscita Portautensile Toolholder output	L	DIN 6358	Cod.
ER25	34,0	Ø16	9.CT.ER25.P16
ER32	34,0	Ø16	9.CT.ER32.P16
ER40	35,0	Ø16	9.CT.ER40.P16

Art.182C



Uscita Portautensile Toolholder output	L	DIN 1835	Cod.
ER20	37,0	Ø10	9.CT.ER20.W10
ER25	34,0	Ø10	9.CT.ER25.W10
	38,0	Ø12	9.CT.ER25.W12
ER32	40,0	Ø16	9.CT.ER32.W16
	38,5	Ø10	9.CT.ER32.W10
	41,0	Ø12	9.CT.ER32.W12
	46,5	Ø16	9.CT.ER32.W16
	50,0	Ø20	9.CT.ER32.W20
ER40	32,0	Ø10	9.CT.ER40.W10
	41,0	Ø12	9.CT.ER40.W12
	45,0	Ø16	9.CT.ER40.W16
	43,0	Ø20	9.CT.ER40.W20
	47,0	Ø25	9.CT.ER40.W25

PINZE - COLLETS

Art.170IER

Art.170IC

ER-DIN 6499



FORATURA - FRESATURA / DRILLING - MILLING

MASCHIATURA / TAPPING

TIPO PINZA COLLET TYPE	Ø PINZA Ø COLLET	Cod.
ER11	Ø1 / 7	9.ER.11000 / 1 (Ø1)
ER16	Ø1 / 10	9.ER.16000 / 1 (Ø1)
ER20	Ø1 / 13	9.ER.20000 / 1 (Ø1)
ER25	Ø1 / 16	9.ER.25000 / 1 (Ø1)
ER32	Ø2 / 20	9.ER.32000 / 2 (Ø2)
ER40	Ø3 / 30	9.ER.40000 / 3 (Ø3)

PINZE ET1 (compensate) COLLET ET1 (compensation)	Ø PINZA Ø COLLET	Cod.
-	-	-
ET 1-16 (M2 - M8)	Ø1,4 / 6	9.ET.16000
ET 1-20 (M2 - M8)	Ø2,2 / 7	9.ET.20000
ET 1-25 (M2 - M12)	Ø2,5 / 10	9.ET.25000
ET 1-32 (M3,5 - M16)	Ø4,5 / 12,5	9.ET.32000
ET 1-32 (M6 - M16)	Ø6 / 15	9.ET.40000

Pinze HP su richiesta (Capitolo 7, Pag. 7.6)
HP Collets on request (Chapter 7 - Page 7.6)

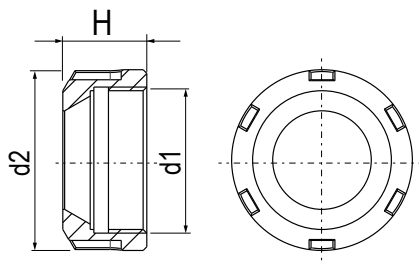
Esempio di ordinazione - Example to order: ER25 - Ø10 = 9.ER.25000/10

GHIERE-NUTS

Art.172



STD Ghiera standard - Standard Nut



TIPO GHIERA NUT TYPE	d1	d2	h	Cod.
ER16 STD	M22x1,5	32	17,5	9.ER.16STD
ER20 STD	M25x1,5	35	19	9.ER.20STD
ER25 STD	M32x1,5	42	20	9.ER.25STD
ER32 STD	M40x1,5	50	23	9.ER.32STD
ER40 STD	M50x1,5	63	25	9.ER.40STD
ER50 STD	M64x1,5	48	35,5	9.ER.50STD

CHIAVI-WRENCHES

Art.172|CH



STD

Chiave per ghiera standard
Wrench for standard nut

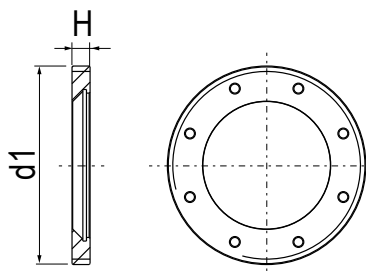
CHIAVI WRENCHES	Cod.
CH-16 STD	9.CH.16STD
CH-20 STD	9.CH.20STD
CH-25 STD	9.CH.25STD
CH-32 STD	9.CH.32STD
CH-40 STD	9.CH.40STD
CH-50 STD	9.CH.50STD

Art.173



EF

Ghiera con filetto esterno e fori frontali
Nut with external thread and frontal holes



TIPO GHIERA NUT TYPE	d1	h	Cod.
ER-16 EF	M24x1	8	9.ER.160EF
ER-20 EF	M28x1,5	11	9.ER.200EF
ER-25 EF	M32x1,5	12	9.ER.250EF
ER-32 EF	M40x1,5	14	9.ER.320EF

Art.173|CH



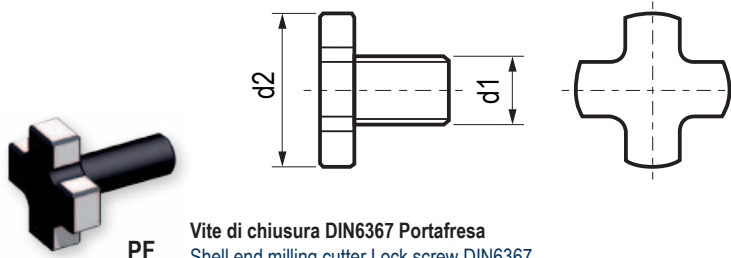
EF

Chiave per ghiera con filetto
esterno e fori frontali
Wrench for nut with external
thread and frontal holes

CHIAVI WRENCHES	Cod.
CH-16 EF	9.CH.160EF
CH-20 EF	9.CH.200EF
CH-25 EF	9.CH.250EF
CH-32 EF	9.CH.320EF

VITI - SCREWS

Art.178



PF Vite di chiusura DIN6367 Portafresa
Shell end milling cutter Lock screw DIN6367

TIPO GHIERA NUT TYPE	d1	d2	Cod.
PF-16 VT	M8	20	9.PF.160VT
PF-22 VT	M10	28	9.PF.220VT
PF-27 VT	M12	35	9.PF.270VT

CHIAVI - WRENCHES

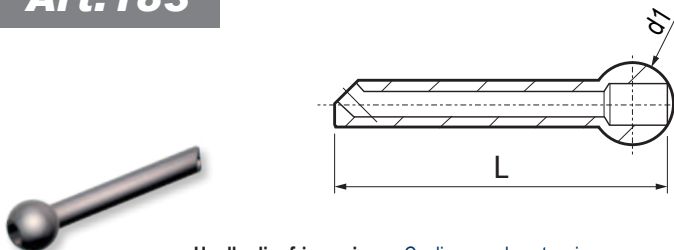
Art.178ICH



PF Chiave per vite di chiusura DIN6367
Wrench for lock screw DIN6367

CHIAVI WRENCHES	Cod.
CH-16 PF	9.CH.160VT
CH-22 PF	9.CH.220VT
CH-27 PF	9.CH.270VT

Art.183



Ugello di refrigerazione - Cooling nozzle extensions

d1	L	Cod.
12	49	9.RF.12490
12	38	9.RF.12380
12	18	9.RF.12180